# **Product Datasheet**

## Cytokeratin, pan Antibody (PAN-CK (Cocktail)) [Janelia Fluor® 525] NBP2-76425JF525

Unit Size: 0.1 ml

Store at 4C in the dark.

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## NBP2-76425JF525

Cytokeratin, pan Antibody (PAN-CK (Cocktail)) [Janelia Fluor® 525]

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Concentration     Please see the vial label for concentration. If unlisted please contact technical services.       Storage     Store at 4C in the dark.       Clonality     Monoclonal       Clone     PAN-CK (Cocktail)       Preservative     0.05% Sodium Azide       Isotype     IgG Kappa       Conjugate     Janelia Fluor 525       Purity     Protein A or G purified       Buffer     50mM Sodium Borate       Product Description     Mouse       Gene ID     3848       Gene ID     3448       Gene Symbol     KRT1       Species     Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit       Reactivity Notes     Use in Mouse reported in scientific literature (PMID:34289354)       Marker     Epithelial Marker       Specificity/Sensitivity     Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (ol 6.0) subfamilies. This antibody cockail recognizes acidic (Type I or MWN) cryoteratins, with 67KDa (CK1); 54KDa (CK3); 56KDa (CK1); 56KD	Product Information	
services.   Storage Store at 4C in the dark.   Clonality Monocional   Clone PAN-CK (Cocktail)   Preservative 0.05% Sodium Azide   Isotype IgG Kappa   Conjugate Janelia Fluor 525   Purity Protein A or G purified   Buffer 50mM Sodium Borate   Product Description House   Host Mouse   Gene ID 3848   Gene Symbol KRT1   Species Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit   Reactivity Notes Use in Mouse reported in scientific literature (PMID:34289354)   Marker Epithelial Marker   Specificity/Sensitivity Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (p16.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) cytokeratins, with 67XDa (CK1); 64KDa (CK1); 55KDa (CK1); 55KDa (CK1); 64KDa (CK1); 55KDa (CK1); 64KDa (CK1); 55KDa (CK1); 64KDa (CK1); 55KDa (CK1); 55KDa (CK1); 64KDa (CK1); 64KDa (CK1); 55KDa (CK1); 64KDa (CK1); 55KDa (CK1); 64KDa (CK1); 64KDa (CK1); 55KDa (CK1); 64KDa (CK1); 64KDa (CK1); 55KDa (CK1); 64KDa (CK1); 55KDa	Unit Size	0.1 ml
Clonality   Monoclonal     Clone   PAN-CK (Cocktail)     Preservative   0.05% Sodium Azide     Isotype   IgG Kappa     Conjugate   Janelia Fluor 525     Purity   Protein A or G purified     Buffer   50mM Sodium Borate     Product Description   Mouse     Gene ID   3848     Gene Symbol   KRT1     Species   Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit     Reactivity Notes   Use in Mouse reported in scientific literature (PMID:34289354)     Marker   Epithelial Marker     Specificity/Sensitivity   Twenty human keratins are resolved with two-dimensional gel electrophoresis in ocidic (of 6.0) subfamilies. This antbody cocktail recognizes acidic (Type 1 or LMW) and basic (Type I or LMW) cytokeratins, with 67kDa (CK1); 54kDa (CK1); 59kDa (CK1); 54kDa (CK1); 54kDa (CK1); 59kDa (CK1); 54kDa (CK1); 59kDa (CK1); 54kDa (CK1); 59kDa (CK1); 59kDa (CK1); 59kDa (CK1); 54kDa (CK1); 59kDa (CK1);	Concentration	•
Clone   PAN-CK (Cocktail)     Preservative   0.05% Sodium Azide     Isotype   IgG Kappa     Conjugate   Janelia Fluor 525     Purity   Protein A or G purified     Buffer   50M Sodium Borate     Product Description   Host     Mouse   Gene ID     Gene ID   3848     Gene Symbol   KRT1     Species   Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit     Reactivity Notes   Use in Mouse reported in scientific literature (PMID:34289354)     Marker   Epithelial Marker     Specificity/Sensitivity   Siskba (CK4); 58kba (CK6); 56kba (CK1); 54kba (CK1); 64kba (CK3); 58kba (CK4); 56kba (CK4); 56kba (CK1); 48kDa (CK1); 64kba (CK3); 58kba (CK4); 58kba (CK4); 56kba (CK4); 56kba (CK1); 48kDa (C	Storage	Store at 4C in the dark.
Preservative     0.05% Sodium Azide       Isotype     IgG Kappa       Conjugate     Janelia Fluor 525       Purity     Protein A or G purified       Buffer     50mM Sodium Borate       Product Description     Host       Host     Mouse       Gene ID     3848       Gene Symbol     KRT1       Species     Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit       Reactivity Notes     Use in Mouse reported in scientific literature (PMID:34289354)       Marker     Epithelial Marker       Specificity/Sensitivity     Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67Xba (CK1); 64Xba (CK1); 55kba (CK1); 55kba (CK1); 55kba (CK1); 56Xba (CK1); 48kDa (CK1)	Clonality	Monoclonal
Isotype   IgG Kappa     Conjugate   Janelia Fluor 525     Purity   Protein A or G purified     Buffer   50mM Sodium Borate     Product Description   Host     Host   Mouse     Gene ID   3848     Gene Symbol   KRT1     Species   Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit     Reactivity Notes   Use in Mouse reported in scientific literature (PMID:34289354)     Marker   Epithelial Marker     Specificity/Sensitivity   Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or IMW) cytokeratins, with 67Kba (CK1); 58kba (CK4); 58kba (CK3); 58kba (CK3); 58kba (CK4); 58kba (CK1); 58kba	Clone	PAN-CK (Cocktail)
Conjugate Janelia Fluor 525   Purity Protein A or G purified   Buffer 50mM Sodium Borate   Product Description Mouse   Gene ID 3848   Gene Symbol KRT1   Species Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit   Reactivity Notes Use in Mouse reported in scientific literature (PMID:34289354)   Marker Epithelial Marker   Specificity/Sensitivity Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or IMW) cytokeratins, with 67KDa (CK1); 54KDa (CK4); 55KDa (CK4); 56KDa (CK4); 56KDa (CK1); 53KDa (CK4); 56KDa (CK1); 50KDa (CK1); 54KDa (CK1)	Preservative	0.05% Sodium Azide
Purity     Protein A or G purified       Buffer     50mM Sodium Borate       Product Description     Host       Host     Mouse       Gene ID     3848       Gene Symbol     KRT1       Species     Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit       Reactivity Notes     Use in Mouse reported in scientific literature (PMID:34289354)       Marker     Epithelial Marker       Specificity/Sensitivity     Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK3); 56kDa (CK10); 55kDa (CK1); 64kDa (CK1); 64kDa (CK1); 63kDa (CK1); 56kDa (CK1); 64kDa (CK1); 63kDa (CK1); 63kDa (CK1); 64kDa (CK1); 64kDa (CK1); 63kDa (CK1); 64kDa (CK1); 46kDa (CK1);	Isotype	IgG Kappa
Buffer   50mM Sodium Borate     Product Description   Mouse     Gene ID   3848     Gene Symbol   KRT1     Species   Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit     Reactivity Notes   Use in Mouse reported in scientific literature (PMID:34289354)     Marker   Epithelial Marker     Specificity/Sensitivity   Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK4); 58kDa (CK4); 58kDa (CK1); 48kDa (CK1); 55kDa (CK1); 55kDa (CK1); 55kDa (CK1); 55kDa (CK1); 55kDa (CK1); 55kDa (CK1); 56kDa (CK1); 46kDa (CK1); 46kDa (CK1); 46kDa (CK1); 46kDa (CK1); 56kDa (CK1); 46kDa (CK1); 46kDa (CK1); 46kDa (CK1); 46kDa (CK1); 46kDa (CK1); 56kDa (CK1); 56kDa (CK1); 56kDa (CK1); 46kDa (CK1); 46	Conjugate	Janelia Fluor 525
Product Description     Host   Mouse     Gene ID   3848     Gene Symbol   KRT1     Species   Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit     Reactivity Notes   Use in Mouse reported in scientific literature (PMID:34289354)     Marker   Epithelial Marker     Specificity/Sensitivity   Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or IMW) optokeratins, with 67kDa (CK1); 54kDa (CK3); 59kDa (CK4); 58kDa (CK4);	Purity	Protein A or G purified
Host     Mouse       Gene ID     3848       Gene Symbol     KRT1       Species     Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit       Reactivity Notes     Use in Mouse reported in scientific literature (PMID:34289354)       Marker     Epithelial Marker       Specificity/Sensitivity     Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK1); 50kDa (CK19); 48kDa (CK19); 48kDa (CK10); 48kDa (CK10); 53kDa (CK13); 50kDa (CK19); 48kDa (CK19); 48kDa (CK10); 48kDa (CK10); 54kDa (CK19); 48kDa (CK19); 48kDa (CK17); 45kDa (CK18) and 40kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRT- PAN is a broad-spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It is useful in characterizing the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelial druing normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and shows high sensitivity in the recognition of epithelial cells and carcinomas.       Immunogen     Human epidermal keratins       Notes     Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.	Buffer	50mM Sodium Borate
Gene ID3848Gene SymbolKRT1SpeciesHuman, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, RabbitReactivity NotesUse in Mouse reported in scientific literature (PMID:34289354)MarkerEpithelial MarkerSpecificity/SensitivityTwenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK1); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 55kDa (CK6); 56.5kDa (CK1); 44kDa (CK10); 44kDa (CK10); 53kDa (CK13); 50kDa (CK19); 44kDa (CK16); 44kDa (CK17); 45kDa (CK13); 50kDa (CK19); 44kDa (CK16); 44kDa (CK17); 45kDa (CK18) and 40kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRT- PAN is a broad-spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarionma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It is useful in characterizing the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelial development and during the development of epithelial neoplasms. This antibody ystains cytokeratins present in normal and abnormal human tissues and shows high sensitivity in the recognition of epithelial cells and carcinomas.ImmunogenHuman epidermal keratinsNotesSold under license from the Howard Hughes Medical Institute, Janelia Research Campus.Product Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-	Product Description	
Gene Symbol   KRT1     Species   Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit     Reactivity Notes   Use in Mouse reported in scientific literature (PMID:34289354)     Marker   Epithelial Marker     Specificity/Sensitivity   Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK7); 52kDa (CK1); 64kDa (CK3); 59kDa (CK10); 53kDa (CK13); 50kDa (CK15); 48kDa (CK15); 48kDa (CK16); 46kDa (CK10); 53kDa (CK13); 50kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRT- PAN is a broad-spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It is useful in characterizing the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelial during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and shows high sensitivity in the recognition of epithelial cells and carcinomas.     Immunogen   Human epidermal keratins     Notes   Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.     Product Application Details   Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofiuorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-	Host	Mouse
SpeciesHuman, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, RabbitReactivity NotesUse in Mouse reported in scientific literature (PMID:34289354)MarkerEpithelial MarkerSpecificity/SensitivityTwenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 55kDa (CK6); 55kDa (CK6); 55kDa (CK1); 53kDa (CK13); 50kDa (CK15); 48kDa (CK16); 46kDa (CK10); 53kDa (CK13); 50kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRT- PAN is a broad-spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It is useful in characterizing the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and shows high sensitivity in the recognition of epithelial cells and carcinomas.ImmunogenHuman epidermal keratinsNotesSold under license from the Howard Hughes Medical Institute, Janelia Research campus.Product Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofiluorescence, Immunohistochemistry.	Gene ID	3848
Reactivity NotesUse in Mouse reported in scientific literature (PMID:34289354)MarkerEpithelial MarkerSpecificity/SensitivityTwenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 55kDa (CK7); 52kDa (CK4); 56.8bDa (CK10); 53kDa (CK13); 50kDa (CK13); 48kDa (CK15); 48kDa (CK16); 46kDa (CK17); 45kDa (CK13); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 46kDa (CK17); 45kDa (CK18) and 40kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRT- PAN is a broad-spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It is useful in characterizing the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and shows high sensitivity in the recognition of epithelial cells and carcinomas.ImmunogenHuman epidermal keratinsNotesSold under license from the Howard Hughes Medical Institute, Janelia Research 	Gene Symbol	KRT1
Marker     Epithelial Marker       Specificity/Sensitivity     Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 55kDa (CK7); 52kDa (CK8); 56.5kDa (CK10); 53kDa (CK13); 50kDa (CK13); 50kDa (CK15); 48kDa (CK16); 46kDa (CK17); 45kDa (CK13) and 40kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRT- PAN is a broad-spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It is useful in characterizing the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelial during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and shows high sensitivity in the recognition of epithelial cells and carcinomas.       Immunogen     Human epidermal keratins       Notes     Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.       Product Application Detaills     Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-	Species	Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit
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Notes   Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.     Product Application Details   Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-	Specificity/Sensitivity	into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 55kDa (CK7); 52kDa (CK8); 56.5kDa (CK10); 53kDa (CK13); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 46kDa (CK17); 45kDa (CK18) and 40kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRT-PAN is a broad-spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It is useful in characterizing the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and shows
Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.     Product Application Details     Applications   Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-	Immunogen	Human epidermal keratins
Applications Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-	Notes	•
Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-	Product Application Details	
	Applications	Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-



	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry- Frozen, Immunofluorescence, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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### **General Contact Information**

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#### Products Related to NBP2-76425JF525

DNST0	Endostatin [HRP]
MAB1455	Albumin Antibody (188835) [Unconjugated] - Serum
NB100-687	Cytokeratin 19 Antibody - BSA Free
NBP2-16094	Cytokeratin 8 Antibody - BSA Free

#### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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