

# Product Datasheet

## **Cytokeratin, pan Antibody (MonoPoly/7249R) [mFluor Violet 610 SE] NBP3-14199MFV610**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-14199MFV610**

Cytokeratin, pan Antibody (MonoPoly/7249R) [mFluor Violet 610 SE]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	MonoPoly/7249R
Preservative	0.05% Sodium Azide
Isotype	IgG Kappa
Conjugate	mFluor Violet 610 SE
Purity	Protein A purified
Buffer	50mM Sodium Borate

Product Description	
Host	Rabbit
Gene ID	3848
Gene Symbol	KRT1
Species	Human
Reactivity Notes	Shows broad species reactivity.
Marker	Epithelial Marker
Specificity/Sensitivity	<p>MonoPoly antibodies are designed by pooling several monospecific, recombinant monoclonal antibodies against a target. MonoPoly antibodies are a kind of synthetic polyclonal antibodies that can be produced in unlimited quantity with a strict lot-to-lot consistency. These antibodies are highly specific with exquisite sensitivity and a single MonoPoly antibody can be used for a variety of applications. Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, which 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. It is a broad spectrum anti pan-cytokeratin antibody, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It may be useful to characterize 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 has high sensitivity in the recognition of epithelial cells and carcinomas.</p>
Immunogen	Recombinant fragments and/or synthetic peptides of human Cytokeratin 76 and Cytokeratin 77 proteins (exact sequences are proprietary)
Notes	mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin



<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.

## Images

Cytokeratin, pan Antibody (MonoPoly/7249R) [mFluor Violet 610 SE] [NBP3-14199MFV610] - Vial of mFluor Violet 610 conjugated antibody. mFluor Violet 610 is optimally excited at 421 nm by the Violet laser (405 nm) and has an emission maximum of 613 nm.





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### **Products Related to NBP3-14199MFV610**

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

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### **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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