

# Product Datasheet

## Cytokeratin, HMW Antibody (AE-3) [DyLight 350] NBP2-33170UV

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-33170UV**

Cytokeratin, HMW Antibody (AE-3) [DyLight 350]

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	AE-3
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	DyLight 350
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Description	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.
Host	Mouse
Gene ID	51350
Gene Symbol	KRT76
Species	Human, Mouse, Rat, Bovine, Canine, Chicken, Monkey, Rabbit
Marker	Epithelial Marker
Specificity/Sensitivity	This monoclonal antibody recognizes basic (Type II or HMW) cytokeratins, which include 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8). Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. The acidic keratins have molecular weights (MW) of 56.5, 55, 51, 50, 50', 48, 46, 45, and 40kDa. monoclonal antibody AE3 recognizes the 65-67, 64, 59, 58, 56, and 52kDa keratins of basic subfamily. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. AE1/AE3 is a broad spectrum anti pan-keratin 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.
Immunogen	Human epidermal keratin (Uniprot: Q01546)
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

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





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### **Products Related to NBP2-33170UV**

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NBP1-43319UV-0.5ml	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 350]
H00051350-P01-10ug	Recombinant Human Cytokeratin, HMW GST (N-Term) Protein
DTM100	TIMP-1 [HRP]
NBP2-07126	Cytokeratin, HMW Overexpression Lysate

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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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