

Mouse Cytokeratin, Acidic Monoclonal Antibody | anti-KRT77 antibody

Cytokeratin, Acidic (Type I or LMW) (Epithelial Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62515	Mouse	Human, Monkey, Cow, Dog, Rabbit, Mouse, Rat, Chicken, Turtle	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

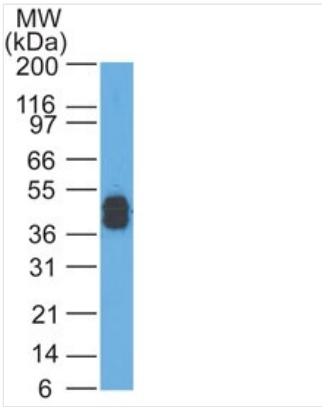
PRODUCT SYNONYMS

Cytokeratin; Acidic; Monoclonal Antibody; Acidic (Type I or LMW) (Epithelial Marker) Mouse Monoclonal Antibody; K1B; KRT1B; Keratin; type II cytoskeletal 1b; K77; CK-1B; Keratin 1B; Keratin-77; Cytokeratin-1B; Type-II Keratin Kb39; anti-KRT77 antibody

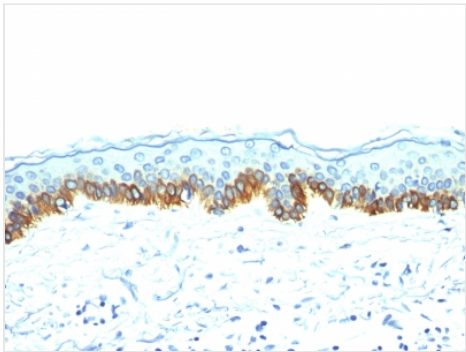
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Monkey, Cow, Dog, Rabbit, Mouse, Rat, Chicken, Turtle
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	AE-1
Specificity	This MAb recognizes the 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19) keratins of the acidic (Type I or LMW) subfamily. 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. MAb 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. 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	578
Applicable Applications for anti-KRT77 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	Human epidermal keratin
Hu-Chromosome Location	17q21.2
Positive Control	Skin, Squamous cell carcinoma (SCC)
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



WB (Western Blot)
Western Blot of A431 Cells using Cytokeratin, LMW Monoclonal Antibody (AE-1).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Skin stained with Cytokeratin, LMW Monoclonal Antibody (AE-1)

ADDITIONAL INFORMATION

References	Woodcock-Mitchell J et. al. Journal of Cell Biology 1982;95:580-8. Tseng SCG et. al. Cell 1982; 30361
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194018511
NCBI GeneID	374454
NCBI Accession #	NP_778253.2
NCBI GenBank Nucleotide #	NM_175078.2
UniProt Accession #	Q7Z794; Q7RTS8
Molecular Weight	40-56.5kDa
NCBI Official Full Name	keratin, type II cytoskeletal 1b
NCBI Official Synonym Full Names	keratin 77
NCBI Official Symbol	KRT77
NCBI Official Synonym Symbols	K1B; KRT1B
NCBI Protein Information	keratin, type II cytoskeletal 1b
UniProt Protein Name	Keratin, type II cytoskeletal 1b
UniProt Gene Name	KRT77
UniProt Synonym Gene Names	KRT1B; CK-1B; K77
UniProt Entry Name	K2C1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cytokeratin-acidic-antibody-clone-ae-1-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62515>