Mouse Cytokeratin 3 +12 Monoclonal Antibody

Cytokeratin 3 +12 antibody

CATALOG #	HOST	APPLICATIONS
AAA74579	**Mouse**	**Western Blot, Immunohistochemistry**

PRODUCT SYNONYMS

Cytokeratin 3 +12; Monoclonal Antibody; Cytokeratin 3 +12 antibody; Monoclonal Cytokeratin 3 +12; Anti-Cytokeratin 3 +12; Cytokeratin +12 3; Cytokeratin 3/12; Cytokeratin +12 -3; Keratin K3 + K12; anti-Cytokeratin 3 +12 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	AE5
Specificity	Human cytokeratin 3/12
Purity/Purification	Ion-exchange chromatography
Form/Format	PBS, pH 7.2, with 0.09% NaN3
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-Cytokeratin 3 +12 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	Keratin 3 also known as cytokeratin 3 is a protein that in humans is encoded by the KRT3 gene. Keratin 3 is a type II cytokeratin. It is specifically found in the corneal epithelium together with keratin 12. Mutations in the KRT3 encoding this protein have been associated with Meesmanns Corneal Dystrophy. Keratin 12 is a protein that in humans is encoded by the KRT12 gene. Keratin 12 is keratin found expressed in corneal epithelia. Mutations in the gene encoding this protein lead to Meesmann corneal dystrophy.
Cross-Reactivity	Human, rabbit, bovine (in cow and rabbit AE5 reacts with lip and snout epithelial). Reacts on cultured line rabbit corneal epithelial cells. Polypeptide reacts with Mr 64 000 polypeptide of human corneal epithelium and keratin k76 of palate epithelium.
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Immunogen	Cytokeratin 3/12 antibody was raised in mouse using human epidermal keratin as the immunogen.
Preparation and Storage	Store at 4°C for short term storage. Aliquot and store at -20°C for long term storage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-Cytokeratin 3 +12 antibody	Mouse monoclonal Cytokeratin 3 +12 antibody
Product Categories/Family for anti-Cytokeratin 3 +12 antibody	Cell Biology

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-3-12-antibody-clone-ae5-western-blot-immunohistochemistry-elisa/74579