

## Product datasheet for **BM558X**

### Cytokeratin 3 (KRT3) Mouse Monoclonal Antibody [Clone ID: AE5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AE5
Applications:	IHC, WB
Recommended Dilution:	<b>Immunoblotting:</b> 1/500. <b>Immunohistochemistry on Frozen Sections:</b> 1/50 (1h at RT).
Reactivity:	Bovine, Human, Rabbit
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human epithelial keratin
Specificity:	Cytokeratin 3 antibody, clone AE5 represents an excellent marker for corneal type differentiation. Positive for epithelial cells of cornea, snout and some oral mucosa. This antibody has been used for studying corneal epithelial stem cells. <b>Polypeptide Reacting:</b> Mr 64 000 polypeptide (Keratin K3; formerly also designated Cytokeratin 3) of human corneal epithelium and Keratin K76 (formerly also designated Cytokeratin K2p) of palate epithelium. <b>Reactivities on Cultured Cell Lines:</b> Rabbit corneal epithelial cells. In Cow and Rabbit it reacts with lip and snout epithelia.
Formulation:	PBS, pH 7,2 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Ion Exchange Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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<b>Gene Name:</b>	keratin 3
<b>Database Link:</b>	<a href="#">Entrez Gene 3850 Human P12035</a>
<b>Background:</b>	Cytokeratin 3 belongs to the intermediate filament family. It is a type II cytokeratin and is specifically expressed in the corneal epithelium. Cytokeratin 3 associates with Cytokeratin 12. Defects in Cytokeratin 3 are a cause of Meesmann corneal dystrophy.
<b>Synonyms:</b>	keratin-3, keratin-76, KRT3, Type-II keratin Kb3