

Product datasheet for **AM08175PU-N**

Cytokeratin 18 (KRT18) (N-term) Mouse Monoclonal Antibody [Clone ID: SB38b]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SB38b
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/5,000-1/20,000. Western Blot: 1/2,000-1/4,000. Immunohistochemistry (Acetone-Fixed, Frozen Tissue Sections): 10 µg/ml
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant N-terminal fragment of keratin 18.
Specificity:	This antibody reacts specifically specifically with Keratin 18 and recombinant N-terminal Keratin 18.
Formulation:	100 mM Borate buffered saline, pH 8.0 without preservatives or amine-containing buffer salts. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 18
Database Link:	Entrez Gene 3875 Human P05783



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Background:

Keratins are a family of intermediate filament proteins that assemble into filaments through forming heterodimers of one type I keratin (keratins 9 to 23) and one type II keratin (keratins 1-8). The two keratin types share only 30% sequence homology. (Ref.1-6) Keratins demonstrate tissue- and differentiation-specific expression profiles. Cytokeratin 18, also known as keratin 18, is a type I intermediate filament protein of approximately 48 kDa. It exists as a heterotetramer composed of two type I and two type II keratins. Cytokeratin 18 is expressed in all simple type epithelia and basal cells of many squamous and non-epidermal epithelia, and is often co-expressed with cytokeratin 8. (Ref.6-8) Tissues from the gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.

Synonyms:

Cytokeratin-18, CK18, Keratin-18, Keratin 18, KRT18, CYK18, K18

Note:

Characterization: To ensure acceptable performance, each batch of product is tested by ELISA, Immunohistochemical staining (HT29 and HCC38 cells) and Western blotting (HT29 and HCC38 cell lysates) to conform to characteristics of a standard reference reagent.