

Product datasheet for **SM3044P**

Cytokeratin 18 (KRT18) Mouse Monoclonal Antibody [Clone ID: DA-7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	DA-7
Applications:	ELISA, IF, IHC, IP, WB
Recommended Dilution:	Immunoprecipitation. Western Blot: 1-2 µg/ml overnight in 4°C. <i>Sample Preparation:</i> Resuspend approx. 50 mil. cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail); Incubate 60 min on ice; Centrifuge to remove cell debris; Mix lysate with non-reducing SDS-PAGE sample buffer. <i>Positive Control:</i> HeLa human cervix carcinoma cell line, A-431 human epidermoid carcinoma cell line, MCF-7 human breast adenocarcinoma cell line. Immunohistochemistry on Paraffin Sections: 10 µg/ml. <i>Positive Tissue:</i> Epithelial tissue (skin), Colon. Immunocytochemistry. <i>Positive Control:</i> MCF-7 Human breast adenocarcinoma cell line, HeLa human cervix carcinoma cell line. ELISA: The antibody DA-7 has been tested as the detection antibody in a Sandwich ELISA for analysis of Cytokeratin 18 in combination with the antibody C-04 (Cat.-No SM3043P). <i>Positive Control:</i> MCF-7 human breast adenocarcinoma cell line.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human breast carcinoma cell line PMC-42.
Specificity:	The antibody DA-7 reacts with Cytokeratin 18 (45 kDa). Negative Species: Porcine, Mouse, Rat, Hamster, Bovine, Sheep, Canine (Dog).
Formulation:	PBS, pH~7.4 State: Purified State: Liquid purified IgG fraction (> 95% by SDS-PAGE) Preservative: 15 mM Sodium Azide



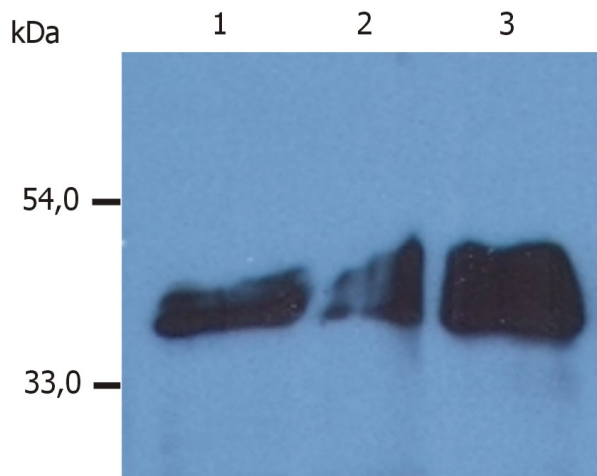
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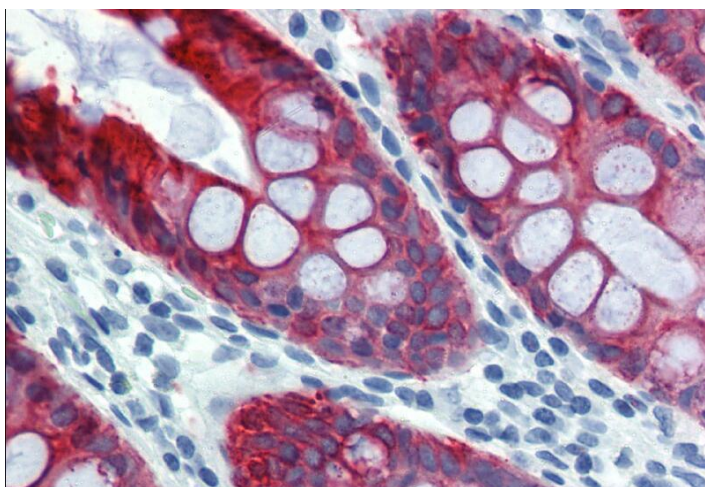
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 18
Database Link:	Entrez Gene 3875 Human P05783

Background: Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues. Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. Cytokeratins are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families. Cytokeratins 18 belongs to type I family (acidic cytokeratins).

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

Product images:





Immunohistochemistry staining of human colon (paraffin sections) using anti-cytokeratin 18 (clone DA-7).