

Cytokeratin 19&10 (AB1525) mouse mAb

W0310

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 44 kDa (calculated)
- 44 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1525

Immunogen A synthetic peptide corresponding to the amino acid region 200 - 300 of the human Cytokeratin 19&10 protein.

Specificity The antibody can recognize human CK10 and CK19 protein, and shows no cross reaction with CK1, 5, 6, 7, 8, 13, 14, 15, 17, 18, 20.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name KRT19

Protein Name Cytokeratin 19&10

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P08727; P13645	3880

Background

CK19 is the smallest keratin with a molecular weight of 40-44 kDa. which is widely distributed in monolayer epithelial cells and many squamous epithelial tissues, and plays an important role in maintaining cell structure and morphology. Its function is related to cell proliferation, differentiation, invasion and metastasis, and cell cycle, etc. CK19 is an important biomarker of breast cancer cells, lymph nodes, peripheral blood and bone marrow tumor cells. The keratin of CK10 with molecular weight of about 60kD is not expressed in epidermal basal cells under normal conditions. When the cells generated by basal cell division undergo neoplasia, CK1 / CK10 begins to be expressed. The expression of CK10 is correlated with the differentiation degree of malignant keratinocytes, and the higher the positive expression in tissues, the stronger the differentiation represented by CK10.

W0310-V.2-EN



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