

Cytokeratin 19 (AB1247) mouse mAb

W0311

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

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

Isotype

- IgG2b, 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 AB1247

Immunogen A synthetic peptide corresponding to the amino acid region 300 - 400 of the human Cytokeratin 19 protein.

Specificity The antibody can specifically recognize human CK19 protein, and shows no cross reaction with CK1, 5, 6, 7, 8, 10, 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

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P08727	3880

Background CK19 is a cytokeratin with a molecular weight of 40 kDa. It is mainly expressed in monolayer epithelium and ductal epithelium, and can be detected in the basal layer of squamous epithelium and epidermis. It is a good marker of epithelial differentiation. It is mainly used for the diagnosis of adenocarcinoma. Hepatocytes do not express CK19, but bile duct epithelium does, so it can be used to distinguish hepatocellular carcinoma from intrahepatic cholangiocarcinoma and metastatic adenocarcinoma. CK19 is partially or weakly expressed in normal thyroid tissue, follicular adenoma, nodular goiter and papillary hyperplasia, but it can be diffusely and strongly expressed in thyroid papillary carcinoma.