

Claudin 18 (AB1533) mouse mAb

V0059

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 28 kDa (calculated)
- kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

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 AB1533

Immunogen A synthetic peptide corresponding to the amino acid region 150 - 261 of the human Claudin 18 protein.

Specificity The antibody can specifically recognize both human Claudin 18. 1 and Claudin 18. 2 protein.

Purification Affinity purification Protein A

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

Target Information

Gene name CLDN18

Protein Name Claudin 18

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P56856	51208

Background Claudin 18 is a 27kDa membrane protein, belonging to the tight junction protein family. It is highly specifically expressed in gastric epithelial cells, and almost not expressed in other normal tissues. Studies have shown that the expression of gastric tissue increases after cancer, and the abnormal expression in pancreatic cancer, lung cancer, esophageal cancer and ovarian cancer promotes the metastasis of cancer cells. Therefore, antibody based drugs against Claudin 18 can significantly improve the survival rate of patients.