

MUC1 (AB1265) mouse mAb

W0268

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 122 kDa (calculated)
- 122 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 AB1265

Immunogen A synthetic peptide corresponding to the amino acid region 100 - 200 of the human MUC1 protein.

Specificity The antibody can specifically recognize human MUC1 protein. In western blotting of NIH3T3 cell lysate, there shows a 122 kDa band detected by the antibody.

Purification Affinity purification Protein A

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

Target Information

Gene name MUC1

Protein Name MUC1

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P15941	4582

Background MUC1 is a type I transmembrane protein with a molecular weight of 450 kDa. One of the characteristics of glandular epithelial tissue is the synthesis and secretion of MUC1. It plays an important role in epithelial renewal and differentiation, maintaining epithelial integrity and carcinogenesis and metastasis. Under normal conditions, it is mainly expressed in a variety of tissues and organs, epithelial cells near the lumen or glandular cavity, showing apical expression and polar distribution. It is also expressed in T cells, B cells and dendritic cells of hematopoietic system. It is mainly used to identify tumors of epithelial origin.