

MUC1 (AB1265) mouse mAb

V0395

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 122 kDa (calculated)
- 122 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

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.

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

Human

Swiss Prot.

P15941

Gene ID

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.