

CD99 (AB1307) mouse mAb

W0297

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 19 kDa (calculated)
- 28 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 AB1307

Immunogen A synthetic peptide corresponding to the amino acid region 1 - 100 of the human CD99 protein.

Specificity The antibody can specifically recognize human CD99 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 CD99

Protein Name CD99

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P14209	4267

Background

CD99 is a 32 kDa transmembrane glycoprotein which is thought to be involved in cell adhesion processes. CD99 was expressed in lymphocytes, thymic cortical cells, ovarian granulosa cells, islet cells, Sertoli cells of testis, immature terminal deoxynucleotidyl transferase (TDT) positive T cells, some bone marrow precursor cells and fibroblasts. At the same time, CD99 was also expressed in vascular endothelial cells, urethral epithelium, some columnar and squamous epithelial cells and ependymal cells. It is mainly used for the diagnosis of Ewing's sarcoma and primitive peripheral nerve endodermal tumor.