

## CD99 (AB1307) mouse mAb

V0257

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human;

#### Applications

- Immunohistochemistry (IHC)

#### MW

- 19 kDa (calculated)
- 28 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** 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.