

CD8 a (AB1306) mouse mAb

V0254

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 26 kDa (calculated)
- 30-35 kDa (observed)

Isotype

- IgG2a, 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 AB1306

Immunogen A synthetic peptide corresponding to the amino acid region 100 - 235 of the human CD8 a protein.

Specificity The antibody can specifically recognize human CD8 protein, including two types of dimer: $\alpha\beta$ heterodimer or $\alpha\alpha$ homodimer.

Purification Affinity purification Protein A

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

Target Information

Gene name CD8A

Protein Name CD8 a

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P01732	925

Background

CD8 is a 68kDa transmembrane glycoprotein consists of two subunits, $\alpha\beta$ heterodimer or $\alpha\alpha$ homodimer linked by a disulfide. CD8 is mainly expressed on the surface of suppressor/cytotoxic T cells and NK cells. It is detected to be positive in T-cell large granular lymphocytic leukemia and subcutaneous panniculitis like T-cell lymphoma, and can be a marker for Precursor T lymphoblastic leukemia / lymphoma. CD8 is negative in Mycosis Fungoides and non-hematolymphoid neoplasms.