

# CD8a Recombinant antibody

**Cat:B36497S**
**Company:** HaoKebio

**Uniprot ID:**P01731

**Applications:** IHC:1:500-1:2000

**Organism:**Rabbit

IHC-Polymer:1:2000-1:8000

**Species reactivity:**Mouse

IHC-TSA:1:2500-1:10000

**Molecular Weight Calculation:** 27 kDa

IF:1:50-1:100

**Observed Molecular Weight:** 30-35 kDa

WB:1:1000-1:6000

**Background:**

CD8 is a transmembrane glycoprotein that is predominantly expressed on the surface of cytotoxic T cells, and can also be found on natural killer cells, cortical thymocytes, and dendritic cells. CD8 is composed of two disulfide-linked chains and can be present as a homodimer of CD8 $\alpha$  or as a heterodimer of CD8 $\alpha$  and CD8 $\beta$ . The majority of class I-restricted T cells express mostly the CD8 $\alpha\beta$  heterodimer while CD8 $\alpha\alpha$  homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR)  $\gamma\delta$  T cells and on NK cells. CD8 acts as a co-receptor that binds to MHC class-I and participates in cytotoxic T cell activation. During T cell development, CD8 is required for positive selection of CD4-/CD8+ T cells.

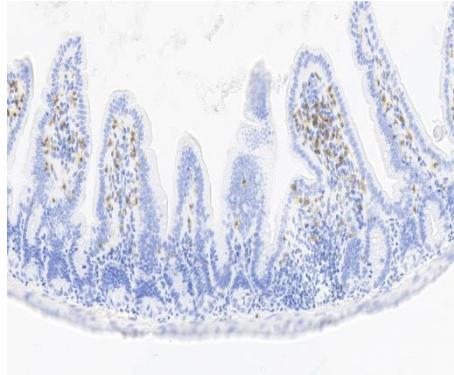
PBS with 0.02% sodium azide, 100  $\mu$ g/ml BSA and 50% glycerol.

**Storage:**

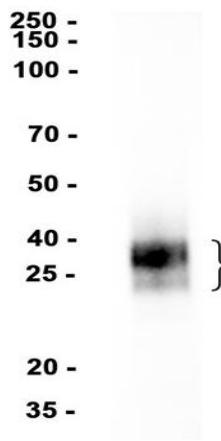
Store at -20 °C for one year.

**Experimental procedure:**

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

**Images:**


Sample: Mouse intestine, 4% PFA 12-24h



Dilution of 1:3000 incubated at room temperature for 1.5 hours.

**Synonyms:**

CD8, CD8 antigen, alpha chain, CD8 $\alpha$ , Ly 2, Ly 35

**Immunogen:**

Recombinant protein

**Isotype:**

IgG

**Subcellular location:**

Membrane

**Purity:**

Affinity purification

**Form:**

Liquid

**Storage Buffer:**

For research use only. Not for use in diagnostic procedures.

**Source of Reagents:**

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