

## CD8 Recombinant antibody

**Cat:** B03042R

**Company:** Haokebio

**Uniprot ID:** P01731

**Applications:** IHC:1:200-1:2000

**Organism:** Rabbit

IHC-Polymer:1:800-1:8000

**Species reactivity:** Mouse

IHC-TSA:1:1000-1:10000

**Molecular Weight Calculation:** 28 kDa

IF:1:50

**Observed Molecular Weight:** 35-42 kDa

WB:1:1000

### 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 (PMID: 8499079). During T cell development, CD8 is required for positive selection of CD4-/CD8+ T cells.

### Protein full name:

CD8 antigen, alpha chain

### 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:

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

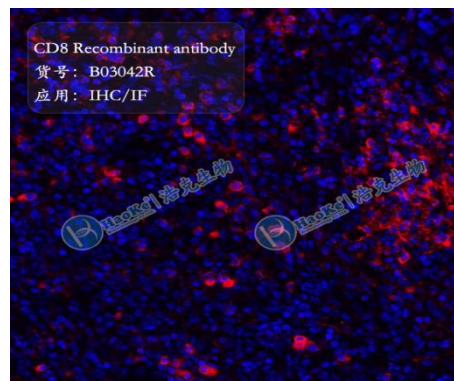
### Storage:

Store at -20 °C for one year.

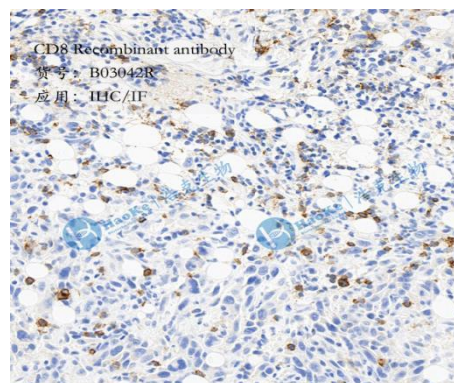
### Experimental procedure:

Antigen retrieval: Citric acid high pressure, 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.

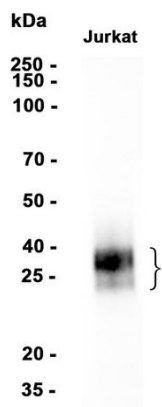
### Images:



Sample: Mouse tumor, 4% PFA 12-24h.



Sample: Mouse tumor, 4% PFA 12-24h.



Dilution of 1:1000 incubated at room temperature for 1.5 hours.

**Source of Reagents:**

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