

## CD45 Recombinant antibody

**Cat:** B36214S

**Company:** HaoKebio

**Uniprot ID:** P08575

**Applications:** IHC:1:4000-1:16000

**Organism:** Rabbit

IHC-Polymer:1:16000-1:64000

**Species reactivity:** Human Mouse

IHC-TSA:1:20000-1:80000

**Molecular Weight Calculation:** 1304 aa, 147 kDa

IF:1:200-1:800

**Observed Molecular Weight:** 220-240 kDa

WB:1:20000-1:100000

### Background:

CD45, also known as leukocyte common antigen (LCA), B220, and T200, is a 180-240 kD single chain type I membrane glycoprotein. It is a tyrosine phosphatase expressed on the plasma membrane of all hematopoietic cells, except erythrocytes and platelets. CD45 is a signaling molecule that regulates a variety of cellular processes including cell growth, differentiation, cell cycle, and oncogenic transformation. CD45 is one of the best negative selection markers for characterizing and/or isolating human mesenchymal stem cells from bone marrow and other sources. Along with the positive selection markers (such as CD29, CD44, CD90, CD105 and CD166), negative selection markers (such as CD34 and CD45) are used for MSC identification.

### Synonyms:

6O19, EC:3.1.3.48, GP180, LCA, LCA

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Membrane

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

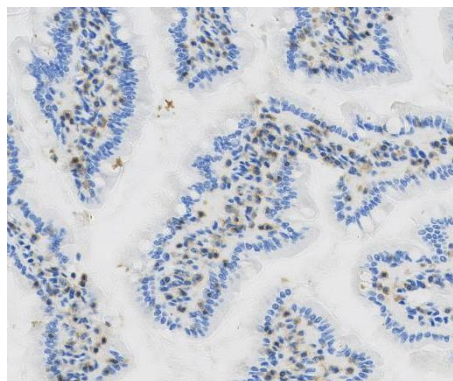
### Storage:

Store at -20 °C for one year.

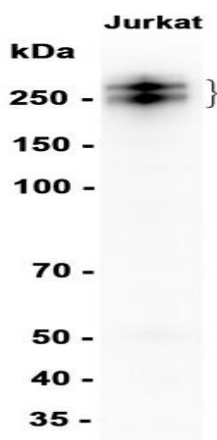
### Experimental procedure:

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 1:50000 incubated at room temperature for 1.5 hours.

### Source of Reagents:

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浩克生物技术有限公司提供;  
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