

# CD18 Rabbit mAb

Catalog No.: A25810 **Recombinant**

## Basic Information

### Observed MW

90-95kDa

### Calculated MW

85kDa

### Category

Primary antibody

### Applications

WB, IHC-P, IF/ICC, ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC67171

## Background

This gene encodes an integrin beta chain, which combines with multiple different alpha chains to form different integrin heterodimers. Integrins are integral cell-surface proteins that participate in cell adhesion as well as cell-surface mediated signalling. The encoded protein plays an important role in immune response and defects in this gene cause leukocyte adhesion deficiency. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

|               |   |
|---------------|---|
| <b>WB</b>     | 1:1000 - 1:2000   |
| <b>IHC-P</b>  | 1:800 - 1:8000  |
| <b>IF/ICC</b> | 1:200 - 1:800   |
| <b>ELISA</b>  | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

## Contact

|  |                           |
|--|---------------------------|
|  | 400-999-6126              |
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|  | www.abclonal.com.cn       |

## Immunogen Information

### Gene ID

3689

### Swiss Prot

P05107

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CD18 (NP\_000202.3).

### Synonyms

LAD; CD18; MF17; MFI7; LCAMB; LFA-1; MAC-1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

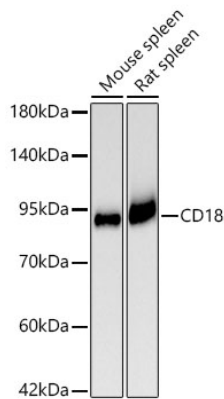
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates using CD18 Rabbit mAb (A25810) at 1:1500 dilution incubated overnight at 4°C.

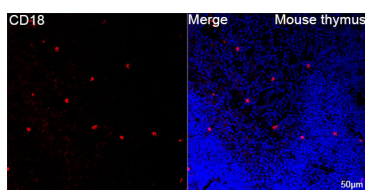
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

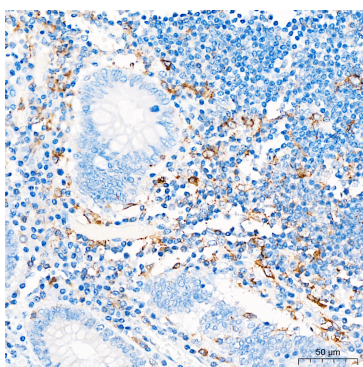
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

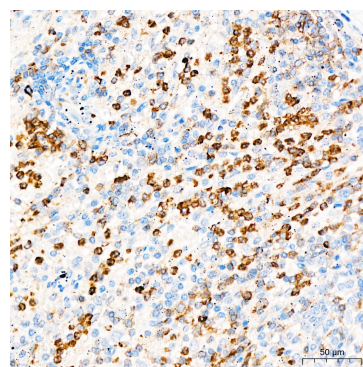
Exposure time: 90s.



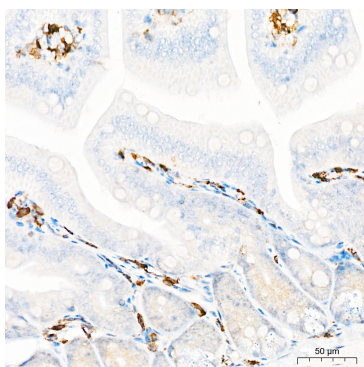
Confocal imaging of paraffin-embedded Mouse thymus tissue using CD18 Rabbit mAb (A25810, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



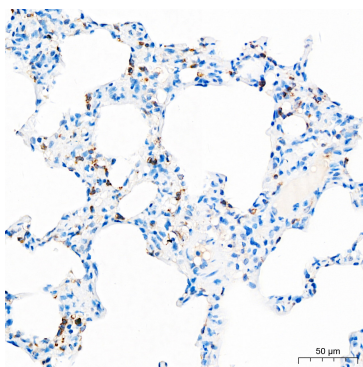
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CD18 Rabbit mAb (A25810) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



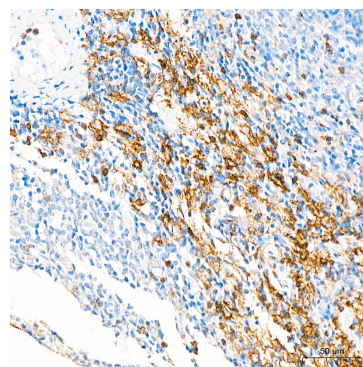
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using CD18 Rabbit mAb (A25810) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CD18 Rabbit mAb (A25810) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using CD18 Rabbit mAb (A25810) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using CD18 Rabbit mAb (A25810) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.