

# CD10 Rabbit mAb

Catalog No.: A25707 **Recombinant**

## Basic Information

**Observed MW**

100kDa

**Calculated MW**

86kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,FC

**Cross-Reactivity**

Mouse

**CloneNo number**

ARC67050

## Background

Enables peptidase activity. Involved in amyloid-beta clearance; positive regulation of long-term synaptic potentiation; and sensory perception of pain. Acts upstream of or within amyloid-beta metabolic process. Located in several cellular components, including dendrite; neuron projection terminus; and synaptic vesicle. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; liver and biliary system; and mammary gland. Used to study Alzheimer's disease. Human ortholog(s) of this gene implicated in Alzheimer's disease; Charcot-Marie-Tooth disease axonal type 2T; cerebellar ataxia type 43; cerebral amyloid angiopathy; and membranous glomerulonephritis. Orthologous to human MME (membrane metalloendopeptidase).

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>FC</b>	1:500 - 1:1000

## Immunogen Information

**Gene ID**

17380

**Swiss Prot**

Q61391

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 52-750 of mouse CD10 (NP\_032630.2).

**Synonyms**

Mme

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

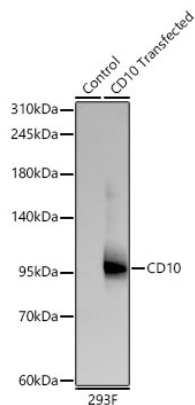
Affinity purification

**Storage**

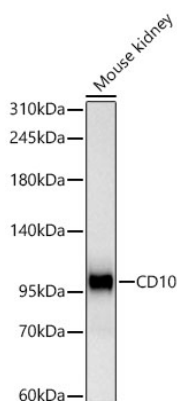
Store at -20°C. Avoid freeze / thaw cycles.

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

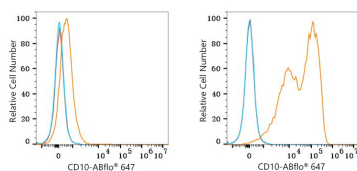
## Validation Data



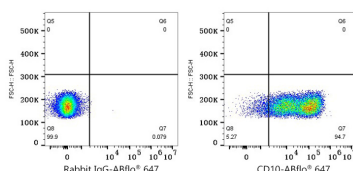
Western blot analysis of lysates from wild type (WT) and 293F cells transfected with CD10 using CD10 Rabbit mAb (A25707) at 1:3000 dilution incubated overnight at 4°C.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.  
 Lysates/proteins: 30 µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020)  
 Exposure time: 60 s.



Western blot analysis of lysates from Mouse kidney using CD10 Rabbit mAb (A25707) at 1:1000 dilution incubated overnight at 4°C.  
 Secondary antibody: HRP 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: 30 s.



Flow cytometry:  $1 \times 10^6$  293T cells (negative control, left) and 293T cells (right) were surface-stained with CD10 Rabbit mAb (A25707, 2 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  293T (Transfection) cells were surface-stained with Rabbit IgG isotype control (AC042, 2 µg/mL, left) or CD10 Rabbit mAb (A25707, 2 µg/mL, right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.