

Rabbit anti-Mouse CD10 Monoclonal Antibody | anti-CD10 antibody

CD10 Rabbit mAb

CATALOG # AAA283065	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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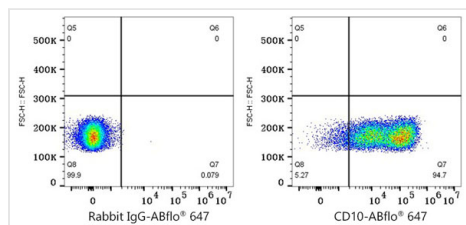
PRODUCT SYNONYMS

CD10; Monoclonal Antibody; CD10 Rabbit mAb; Mme; NEP; SFE; CALLA; 6030454K05Rik; anti-CD10 antibody

PRODUCT SPECIFICATIONS

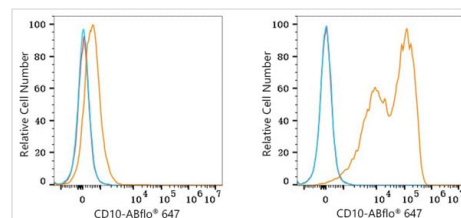
Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	YDDGICKSSD CIKSAARLIQ NMDASVEPCT DFFKYACGGW LKRNVIPETS SRYSNFDILR DELEVILKDV LQEPKTEDIV AVQKAKTLR SCINESAIDS RGGQPLLKLL PDYGWVPAS DNWDQTYGTS WTAEKSLAQL NSKYGKKVLI NFFVGTDDKN STQHIIHFDQ PRLGLPSRDY YECTGIYKEA CTAYVDFMIS VARLIRQEQS LPIDENQLSL EMNKVMELEK EIANATTKE DRNDPMLLYN KMTLAKLQNN FSLEVNGKSF SWSNFTNEIM STVNINIQNE EEVVVYAPEY LTKLPILTK YSPRDLQNLN SWRFIMDLVS SLSRNYKESR NAFRKALYGT TSETATWRRR ANYVNGNMEN AVGRLYVEAA FAGESKHVVE DLIAQIREVF IQTLDDLWTM DAETKKKAAE KALAIKERIG YPDDIISNEN KLNNEYLELN YREDEYFENI IQNLKFSQSK QLKKLREKVD KDEWISGAAY VNAFYSSGRN QIVFPAGILQ PPFFSAQQSN SLNYGGIGMV IGHEITHGFD DNGRNFNKG DLVDWWTQQS ANNFKDQSQC MUYQYGNFSW DLAGGQHLNG INTLGENIAD NGGIGQAYRA YQNYVKNGE EKLLPGLDLN HKQLFFLNFA QVWCGTYRPE YAVNSIKTDV HSPGNFRIIG TLQNSAEFAD AFHCRKNSYM NPERKCRVW
Applicable Applications for anti-CD10 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 52-750 of mouse CD10 (NP_032630.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



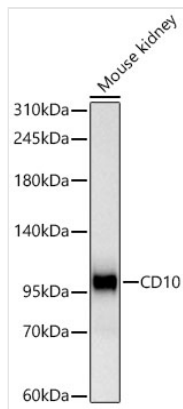
FCM/FACS (Flow Cytometry)

Flow cytometry: 1X10⁶ 293T (Transfection) cells were surface-stained with Rabbit IgG isotype control (AC042,2 ug/mL, left) or CD10 Rabbit mAb (AAA283065, 2 ug/mL, right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.



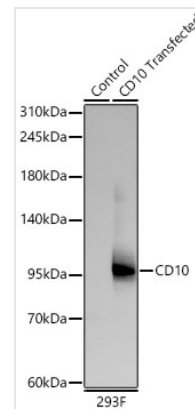
FCM/FACS (Flow Cytometry)

Flow cytometry: 1X10⁶ 293T cells (negative control, left) and 293T cells (right) were surface-stained with CD10 Rabbit mAb (AAA283065, 2 ug/mL, orange line) or Rabbit IgG isotype control (AC042, 2 ug/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).



WB (Western Blot)

Western blot analysis of lysates from Mouse kidney using CD10 Rabbit mAb (AAA283065) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020) Exposure time: 30 s.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and 293F cells transfected with CD10 using CD10 Rabbit mAb (AAA283065) at 1:3000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020) Exposure time: 60 s.

ADDITIONAL INFORMATION

Related Product Information for anti-CD10 antibody	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).
Product Categories/Family for anti-CD10 antibody	Immunology Adaptive Immunity B Cells CD Immunology Cell Type Markers CD Non-lineage Stem Cells Hematopoietic Progenitors Hematopoietic Stem Cells Human Lineage Negative Stem Cells Mesenchymal Stem Cells Surface Molecules Cancer Tumor immunology CD markers; An

NCBI AND UNIPROT INFORMATION

NCBI GI #	51338732
NCBI GeneID	17380
UniProt Accession #	Q61391 ; Q6NXX5 ; Q8K251
Molecular Weight	Calculated MW: 86kDa Observed MW: 100kDa
UniProt Protein Name	Neprilysin
UniProt Gene Name	Mme
UniProt Synonym Gene Names	NEP; Neutral endopeptidase; SFE
UniProt Entry Name	NEP_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd10-antibody-flow-cytometry-western-blot-elisa/283065>