

Rabbit anti-Mouse, Rat Cd59 Polyclonal Antibody | anti-Cd59 antibody

Anti-Cd59 Antibody

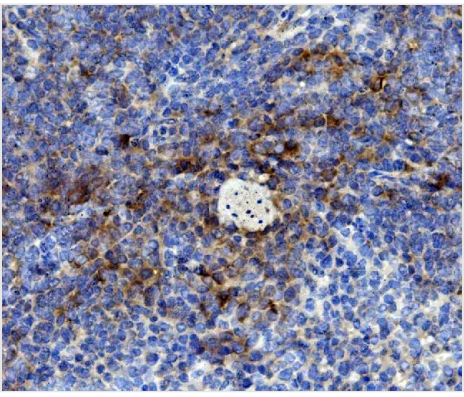
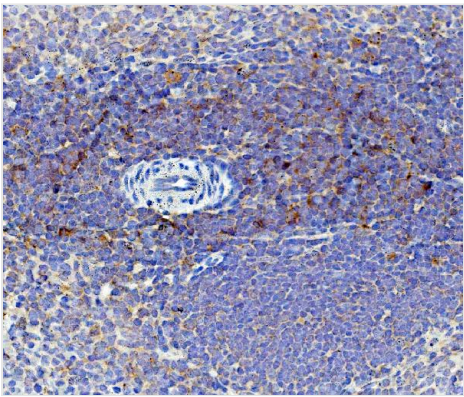
CATALOG # AAA125579	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Cd59; Polyclonal Antibody; Anti-Cd59 Antibody; CD59 glycoprotein; MAC-inhibitory protein; MAC-IP; Membrane attack complex inhibition factor; MACIF; Protectin; CD antigen CD59; CD59 molecule; anti-Cd59 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for Cd59 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Applicable Applications for anti-Cd59 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to a sequence of rat Cd59 (KQVYQQCWRFSDCNAKFIL).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of Cd59 using anti-Cd59 antibody (AAA125579).Cd59 was detected in paraffin-embedded section of rat spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-Cd59 Antibody (AAA125579) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

IHC (Immunohistochemistry)
Figure 1. IHC analysis of Cd59 using anti-Cd59 antibody (AAA125579).Cd59 was detected in paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-Cd59 Antibody (AAA125579) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-Cd59 antibody	This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. And this protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. It also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene.
References	1. "Entrez Gene: CD59 molecule, complement regulatory protein". 2. Ninomiya H, Sims PJ (1992). "The human complement regulatory protein CD59 binds to the alpha-chain of C8 and to the "b"domain of C9". J. Biol. Chem. 267 (19): 13675-80.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978635
NCBI GeneID	25407
NCBI Accession #	NP_037057.1
NCBI GenBank Nucleotide #	NM_012925.1
UniProt Accession #	P27274
Molecular Weight	13,790 Da
NCBI Official Full Name	CD59 glycoprotein
NCBI Official Synonym Full Names	CD59 molecule, complement regulatory protein
NCBI Official Symbol	Cd59
NCBI Official Synonym Symbols	Cd59a; Cd59b; MACIF; MACIP; MAC-IP
NCBI Protein Information	CD59 glycoprotein; CD59 antigen; CD59b moleucle, complement regulatory protein; Cb59b molecule; MAC-inhibitory protein; membrane attack complex inhibition factor; protectin
UniProt Protein Name	CD59 glycoprotein
UniProt Gene Name	Cd59

UniProt Synonym Gene Names	MAC-IP; MACIF
UniProt Entry Name	CD59_RAT

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://stage.aaabiotech.com/polyclonal/cd59-antibody-immunohistochemistry-elisa/125579>