

Rabbit anti-Rat CD93 Polyclonal Antibody | anti-CD93 antibody

Anti-CD93 Antibody, Rabbit Polyclonal

CATALOG # AAA257305	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry, ELISA
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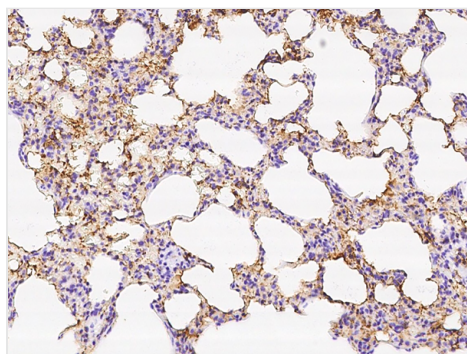
PRODUCT SYNONYMS

CD93; Polyclonal Antibody; Anti-CD93 Antibody; Rabbit Polyclonal; CD93/C1qR Antibody; Rabbit PAb; Antigen Affinity Purified; CD93 molecule; anti-CD93 antibody

PRODUCT SPECIFICATIONS

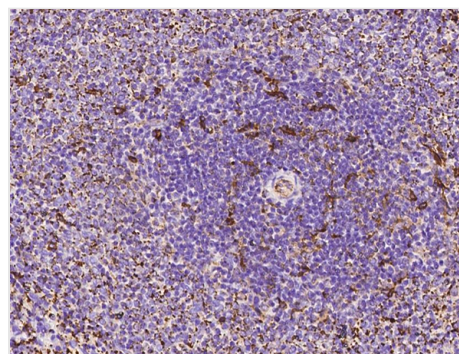
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat CD93/C1qR
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD93 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Rat CD93/C1qR Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat CD93/C1qR (rR CD93/C1qR). CD93/C1qR specific IgG was purified by Rat CD93/C1qR affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of rat CD93 in rat lung with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of rat CD93 in rat spleen with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CD93 antibody	CD93 or C1q receptor 1 (C1qR) is an about 120 kDa O-sialoglycoprotein that within the hematopoietic system is selectively expressed on cells of the myeloid lineage. CD93/C1qR is a highly glycosylated transmembrane protein expressed on monocytes, neutrophils, endothelial cells, and stem cells. CD93 was originally identified as a myeloid cell-surface marker and subsequently associated with an ability to modulate phagocytosis of suboptimally opsonized immunoglobulin G and complement particles in vitro. CD93/C1qR, a receptor expressed during early B-cell development, is reinduced during plasma-cell differentiation. High CD93/CD138 expression was restricted to antibody-secreting cells both in T-dependent and T-independent responses as naive, memory, and germinal-center B cells remained CD93-negative. CD93 was expressed on (pre)plasmablasts/plasma cells, including long-lived plasma cells that showed decreased cell cycle activity, high levels of isotype-switched Ig secretion, and modification of the transcriptional network. CD93 is important for the maintenance of plasma cells in bone marrow niches.
References	Bohlsion SS, et al. (2005) CD93 is rapidly shed from the surface of human myeloid cells and the soluble form is detected in human plasma. J Immunol. 175(2): 1239-47.Norsworthy PJ, et al. (2004) Murine CD93 (C1qRp) contributes to the removal of apoptotic cells in vivo but is not required for C1q-mediated enhancement of phagocytosis. J Immunol. 172(6): 3406-14.Chevrier S, et al. (2009) CD93 is required for maintenance of antibody secretion and persistence of plasma cells in the bone marrow niche. Proc Natl Acad Sci U S A. 106(10): 3895-900.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758114
NCBI GeneID	84398
NCBI Accession #	NP_445835.1
NCBI GenBank Nucleotide #	NM_053383.1
UniProt Accession #	Q9ET61; Q9JIZ6
Molecular Weight	68,782 Da
NCBI Official Full Name	complement component C1q receptor
NCBI Official Synonym Full Names	CD93 molecule
NCBI Official Symbol	Cd93
NCBI Official Synonym Symbols	Ly68; C1qRp; C1qr1
NCBI Protein Information	complement component C1q receptor
UniProt Protein Name	Complement component C1q receptor
UniProt Gene Name	Cd93
UniProt Synonym Gene Names	C1qr1; C1qrp; C1qR(p); C1qRp
UniProt Entry Name	C1QR1_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://www.aaabiotech.com/polyclonal/cd93-antibody-immunohistochemistry-elisa/257305>