



# Rabbit Anti-Rat CD93 monoclonal antibody, clone S269 (CABT-ZB718)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Rat CD93
<b>Target</b>	CD93
<b>Immunogen</b>	Recombinant Rat CD93/C1qR Protein
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Rat
<b>Clone</b>	S269
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap) This antibody will detect CD93 in antibody pair set. [ABPR-ZB298]
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, recombinant Rat CD93/C1qR.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 1 mL
<b>Buffer</b>	PBS

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<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

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## BACKGROUND

<b>Introduction</b>	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.
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<b>Keywords</b>	CD93; CD93 molecule; C1QR1; C1qRP
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## GENE INFORMATION

<b>Synonyms</b>	CD93; CD93 molecule; C1QR1; C1qRP; CDw93; ECSM3; MXRA4; C1qR(P); dJ737E23.1; complement component C1q receptor
<b>Entrez Gene ID</b>	<a href="#">84398</a>
<b>UniProt ID</b>	<a href="#">Q9ET61</a>