

## Anti-CD93/C1qR1 Antibody-FITC (7E255)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Rat
Conjugation:	FITC
Clone:	7E255
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of Rat CD93 expression on SD rat bone marrow cells. Cells were stained with FITC-conjugated anti-Rat CD93. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	5 µl/Test, 0.1 mg/ml

## Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Rat CD93/C1qR Protein (TMPY-00306)
Antigen Species:	Rat
Synonyms:	AW555904;AA4.1;6030404G09Rik;C1qr1;AA145088;C1qrp;Ly68;CD93 molecule

## Research Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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