Datasheet for ABIN2660250

anti-CD93 antibody (PerCP-Cy5.5)

2 Images

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Overview

Quantity:	100 µg
Target:	CD93
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD93 antibody is conjugated to PerCP-Cy5.5
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Cytometry by Time of Flight (CyTOF), ELISA (Capture), Neutralization (Neut), ELISpot (Capture) (ELISPOT (Capture)), Intracellular Flow Cytometry (ICFC)

Product Details

Clone:	AA4-1
Isotype:	IgG2b kappa
Purification:	The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

Target Details

Target:	CD93
Alternative Name:	CD93 (CD93 Products)
Target Type:	Chemical

Target Details

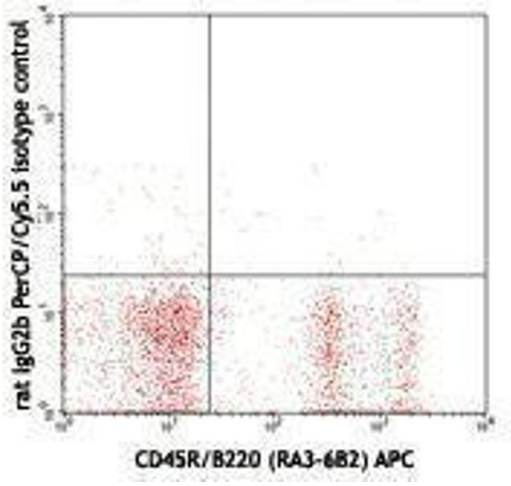
Background:	CD93 is a 130-140 kD C-type lectin-like type I transmembrane protein, also known as complement component 1, q subcomponent (C1qR1), C1qRp collectin receptor (C1qRp), or AA4 antigen. It is a receptor expressed on immature B lymphocytes, hematopoietic progenitors and stem cells in adult bone marrow, fetal liver, and the embryonic yolk sac. CD93 expression levels on splenic immature/transitional B cells is much lower than in bone marrow. It is reinduced during plasma cell differentiation and plays an important role in maintaining plasma cells in bone marrow niches. Immature dendritic cells express CD93 and down-regulate this molecule upon maturation, suggesting they play a role in uptake of particles. CD93 is also expressed on monocytes, macrophages, and endothelial cells. Macrophages from CD93 (-/-) mice had a significant phagocytic defect in the clearance of apoptotic cells in vivo, indicating CD93 may contribute to the in vivo clearance of dying cells. The idea that CD93 binds to C1q remains controversial.

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

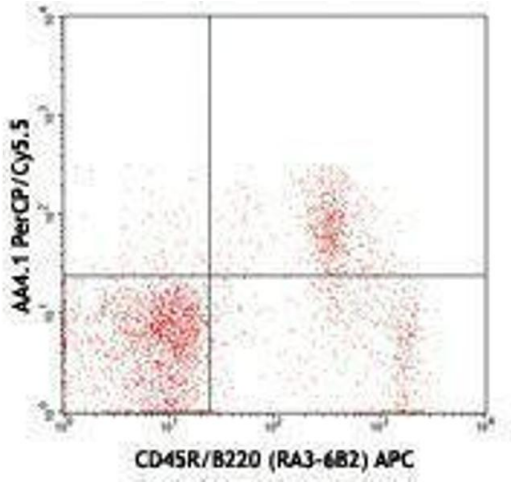
Handling

Concentration:	0.2 mg/mL
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.