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Recombinant anti-CD99 antibody

Images



Overview

Quantity:	100 μL
Target:	CD99
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD99 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Western Blotting (WB), ELISA

Product Details

Immunogen:	A synthesized peptide
Clone:	9A5
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

Target Details

Target:	CD99
Alternative Name:	CD99 (CD99 Products)
Target Type:	Viral Protein

Target Details

Background:	Background: Involved in T-cell adhesion processes and in spontaneous rosette formation with
	erythrocytes. Plays a role in a late step of leukocyte extravasation helping leukocytes to
	overcome the endothelial basement membrane. Acts at the same site as, but independently of,
	PECAM1. Involved in T-cell adhesion processes (By similarity).
	Aliases: CD99 antigen, 12E7, E2 antigen, Protein MIC2, T-cell surface glycoprotein E2, CD99,
	CD99, MIC2, MIC2X, MIC2Y
UniProt:	P14209

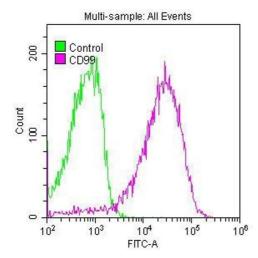
Application Details

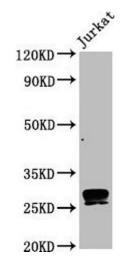
Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:500,
Restrictions:	For Research Use only
Handling	
Format:	Liquid

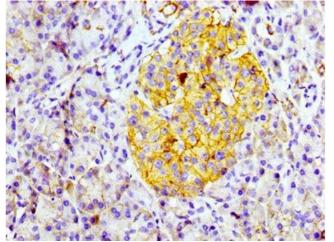
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20 °C or -80 °C. Avoid repeated freeze.







Flow Cytometry

Image 1. Overlay histogram showing Jurkat cells stained with ABIN7127288 (red line) at 1:50. The cells were fixed with 70 % Ethylalcohol (18h) and then permeabilized with 0.3 % Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10 % normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 °C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4 °C. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

Western Blotting

Image 2. Western Blot Positive WB detected in Jurkat whole cell lysate All lanes CD99 antibody at $0.8 \,\mu\text{g/mL}$ Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 28 KDa Observed band size: 28 KDa

Immunohistochemistry

Image 3. IHC image of ABIN7127288 diluted at 1:100 and staining in paraffin-embedded human pancreatic tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.