

Human CD96 v2 APC-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 628211

Catalog Number: FAB6199A

100 Tests

DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human CD96v2 in direct ELISAs.		
Source	Monoclonal Mouse IgG ₁ Clone # 628211		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CD96 Val22-Asp501 Accession # NP_005807		
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm		
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.		
	*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.		

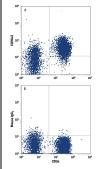
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	10 μL/10 ⁶ cells	See Below

DATA

Flow Cytometry



Detection of CD96v2 in Human PBMC Lymphocytes by Flow Cytometry. Human peripheral blood mononuclear cell (PBMC) lymphocytes were stained with Mouse Anti-Human CD3s Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB100F) and either (A) Mouse Anti-Human CD96v2 APC-conjugated Monoclonal Antibody (Catalog # FAB6199A) or (B) Mouse IgG₁ Allophycocyanin Isotype Control (Catalog # IC002A). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage

Protect from light. Do not freeze.

• 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CD96 (also known as Tactile) is a 160 kDa type I transmembrane glycoprotein that contains three Ig-like domains in its extracellular region. It is expressed on CD4⁺ and CD8⁺ T cells, NK cells, and select B cells. CD96 binds to CD155/PVR and participates in NK cell-mediated lysis of CD155⁺ target cells. Alternate splicing generates a short variant (CD96v2) which lacks 16 amino acids (aa) within the second Ig-like domain. CD96v2 is the predominant isoform in many cell types and exhibits even greater binding affinity with CD155 than does full length CD96. A soluble form of CD96 circulates in the serum. Over aa 22-501, human CD96v2 shares 55% aa sequence identity with mouse and rat CD96.

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