

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD96 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	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10 ⁶ cells	Human peripheral blood cells

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. <ul style="list-style-type: none"> 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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