

DESCRIPTION

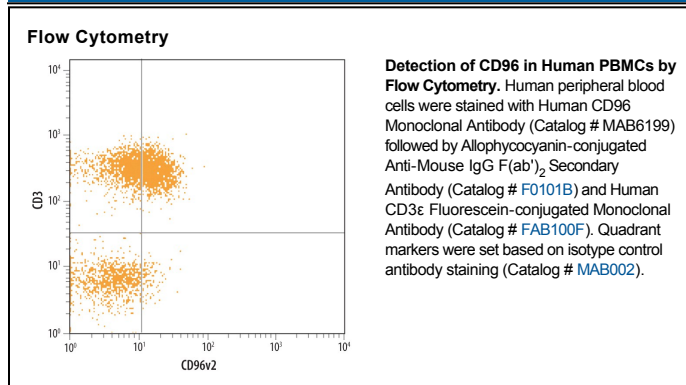
Species Reactivity	Human
Specificity	Detects human CD96 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 628211
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CD96 Val22-Asp501 Accession # NP_005807
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.