

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CD96 in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 628211
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human CD96 Val22-Asp501 Accession # NP_005807
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human peripheral blood cells

**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

**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<sup>+</sup> and CD8<sup>+</sup> T cells, NK cells, and select B cells. CD96 binds to CD155/PVR and participates in NK cell-mediated lysis of CD155<sup>+</sup> 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.

**PRODUCT SPECIFIC NOTICES**

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