

## DESCRIPTION

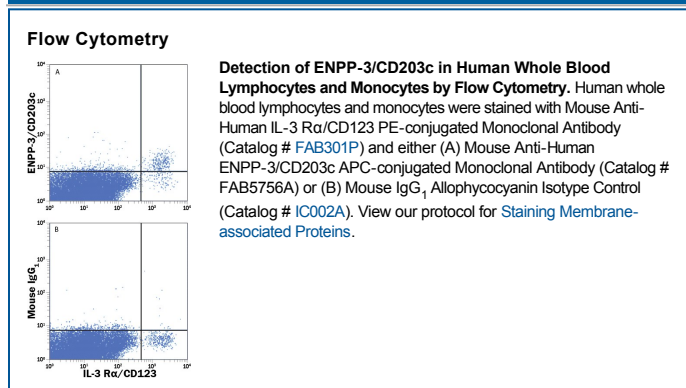
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human ENPP-3/CD203c.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # NP4D6
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	HEK293 human embryonic kidney cell line transfected with human ENPP-3/CD203c Accession # O14638
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	10 µL/10 <sup>6</sup> cells	See Below

## DATA



## 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

CD203c is a 120-130 kDa type II transmembrane glycoprotein that belongs to the ectonucleotidase family, AP superfamily of enzymes. CD203c is also known as ectonucleotide pyrophosphatase/phosphodiesterase 3 (ENPP-3) and it modulates purinergic signaling by hydrolysis of nucleotide di- and tri-phosphates plus sphingosylphosphorylcholine. Although CD203c is considered to be a marker for activated basophils and mast cells, it is also found constitutively or inducibly on blood duct epithelium, hepatocytes, duodenal columnar epithelium, osteoblasts, plasmacytoid dendritic cells, airway pseudostratified ciliated columnar epithelium and renal proximal tubule S3 segment cells. Within the ECD, human CD203c shares 81% aa sequence identity with mouse and rat CD203.