

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human FCRL6/FcRH6 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) FCRL1, rhFCRL2, rhFCRL3, rhFCRL4, rhFCRL5, rhFcRN, or rhFCRLB/FCRY is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 672505
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant human FCRL6/FcRH6 Lys16-Leu312 Accession # Q6DN72
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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 lymphocytes

#### 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

FCRL6 (Fc receptor-like protein 6; also FcRH6 and IFGP6) is a 66 kDa member of the Ig Superfamily. It is found on CD56dim CD16<sup>+</sup> NK cells, CD56<sup>+</sup> CD3<sup>+</sup> NKT cells, gd T cells, and effector plus effector-memory CD8<sup>+</sup> T cells. FCRL6 is not a receptor for immunoglobulin. It does, however, bind to isoforms of HLA-DR that are expressed on APCs. Given that FCRL6 contains a cytoplasmic ITIM, FCRL6 may function as an inhibitory receptor for MHC Class II. Mature human FCRL6 is a 415 amino acid (aa) type I transmembrane protein. It contains a 288 aa extracellular region (aa 20-307) that shows three C2-type Ig-like domains (aa 20-293), and a 106 aa cytoplasmic domain. There are multiple potential splice variants. One shows a deletion of aa 105-200 accompanied by a 13 aa substitution for aa 394-434; a second possesses a 15 aa substitution for aa 383-434; and a third shows an alternative start site seven aa upstream of the standard site accompanied by a 13 aa substitution for aa 394-434. Over aa 16-312, human FCRL6 shares only 33% aa identity with the mouse counterpart to FCRL6.

#### PRODUCT SPECIFIC NOTICES

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