

DESCRIPTION

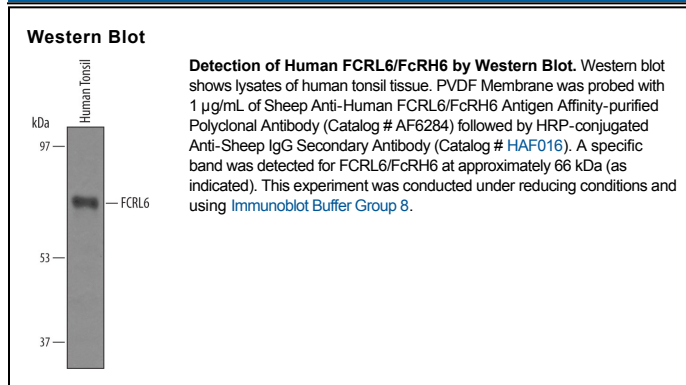
Species Reactivity	Human
Specificity	Detects human FCRL6/FcRH6 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human (rh) FcRH1, rhFcRH2, and rhFcRH4 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human FCRL6/FcRH6 Lys16-Leu312 Accession # Q6DN72
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
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
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

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⁺ NK cells, CD56⁺ CD3⁺ NKT cells, gd T cells, and effector plus effector-memory CD8⁺ 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.