

Human FcRL2/IRTA4 Protein

Cat. No. FCR-HM202



Description

Source	Recombinant Human FcRL2/IRTA4 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Leu20-Val401.
Accession	Q96LA5-1
Molecular Weight	The protein has a predicted MW of 67.58 kDa. Due to glycosylation, the protein migrates to 85-105 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Fc receptor-like 2 (FCRL2) is highly expressed on B-cell chronic lymphocytic leukemia (B-CLL) cells and could possibly influence disease pathogenesis. FCRL2 mRNA expression was found to be expressed at considerably higher levels in peripheral blood mononuclear cells (PBMC) of B-CLL patients compared to controls (range 1.35- to 210-fold upregulation; $P < 0.0001$) and cells of other hematological diseases.

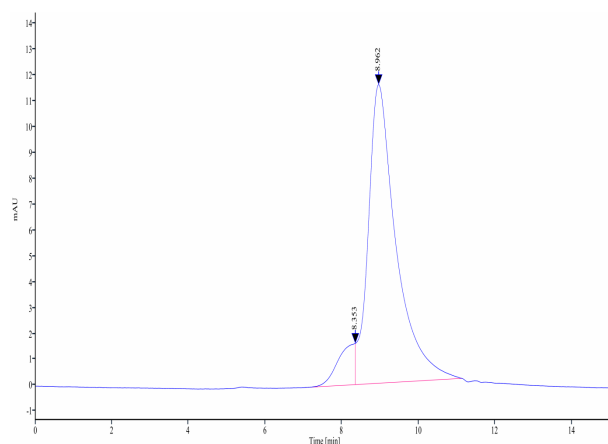
Assay Data

Bis-Tris PAGE



Human FcRL2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



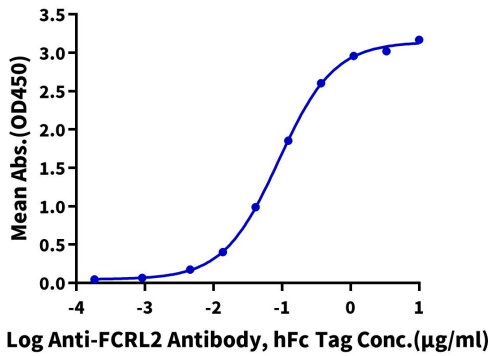
The purity of Human FcRL2 is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human FCRL2, hFc Tag ELISA

0.2µg Human FCRL2, hFc Tag Per Well



Immobilized Human FCRL2, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-FCRL2 Antibody, hFc Tag with the EC50 of 89.4ng/ml determined by ELISA.