Recombinant Protein Technical Manual

Recombinant Mouse FCRL1 Protein (aa 1-204, His Tag)

RPES1260

Product Data:

Product SKU: RPES1260

Size: 50µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: Q8R4Y0-2

Protein Information:

Molecular Mass: 21.6 kDa

AP Molecular Mass:

Tag: C-His

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Fc receptor-like protein 1; FcR-like protein 1; FcRL1; BXMAS1-like protein 1; mBXMH1; Fc receptor homolog 1; FcRH1; moFcRH1; IFGP family protein 1; mIFGP1; CD307a;Bxmas1;Bxmh1;Bxmh1b;Fcrh1;Fcrh1l;Fcrh1s;Ifgp1 Protein

Immunogen Information:

Sequence: Met1-Thr204

Background:

Fc receptor-like protein 1, also known as FcR-like protein 1, Fc receptor homolog 1, IFGP family protein 1, Immune receptor translocation-associated protein 5 and FCRL1, is a single-pass type I membrane protein which contains three Ig-like C2-type (immunoglobulin-like) domains. It is a cell-surface membrane protein belonging to FCRL family and is preferentially expressed on B cells. FCRL1 is primarily expressed in secondary lymphoid tissues by mature subsets of B cells. It is detected in spleen, lymph node, heart, skeletal muscle, kidney, liver and placenta. FCRL1 is specifically expressed by mature B lineage cells with higher expression in naive versus memory B cells (at protein level). Human Fc receptor-like molecules (FCRL1, FCRL2, FCRL3, FCRL4, FCRL5) have tyrosine-based immunoregulatory potential and are expressed by B-lineage subpopulations. FCRL1 may function as an activating coreceptor in B cells. It may also function in B cells activation and differentiation.