



Recombinant Protein Technical Manual

Recombinant Human IL10RB/IL10R2 Protein (Fc Tag)

RPES1075

Product Data:

Product SKU: RPES1075

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q08334

Protein Information:

Molecular Mass: 50.6 kDa

AP Molecular Mass: 65-90 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 .

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

Application:

Synonyms: CDW210B;CRF2-4;CRFB4;D21S58;D21S66;IL0R2;Interleukin0 receptor subunit beta(IL10RB);Cytokine receptor class-II member 4;Cytokine receptor family 2 member 4;Interleukin0 receptor subunit 2

Immunogen Information:

Sequence: Met20-Ser220

Background:

Interleukin0 receptor subunit beta(IL10RB), also known as Cytokine receptor class-II member 4,Cytokine receptor family 2 member 4,Interleukin0 receptor subunit 2, belongs to the type II cytokine receptor family. IL10RB is a single- pass type I membrane protein and contains two fibronectin type-III domains. It is an accessory chain which is essential for the active interleukin 10 receptor complex. Coexpression of IL10RB and IL10RA proteins has been shown to be required for IL10-induced signal transduction. Defects in IL10RB are the cause of inflammatory bowel disease type 25 (IBD25) which is a chronic, relapsing inflammation of the gastrointestinal tract with a complex etiology.