



Recombinant Protein Technical Manual

Recombinant Human IL-23 Recetor/IL-23R Protein (Fc Tag)(Active) RPES1313

Product Data:

Product SKU: RPES1313

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q5VWK5

Protein Information:

Molecular Mass: 65.0 kDa

AP Molecular Mass: 9020 kDa

Tag: C-Fc

Bio-activity: Immobilized Human IL-23-His at 0.1µg/ml(100 µl/well) can bind Human IL-23R-Fc. The ED50 of Human IL-23R-Fc is 3.78 ug/ml .

Purity: > 90 % 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, pH7.4.

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

Application: Functional ELISA

Synonyms: Interleukin-23 receptor; IL23R; IL-23 receptor; IL-23R

Immunogen Information:

Sequence: Gly24-Asp353

Background:

Interleukin 23 receptor (IL23R) is a type I cytokine receptor for IL23. IL23 receptor complex is comprised of two subunits, the IL12R β 1 subunit, which is shared with several cytokines, and a subunit that is unique to IL-23. IL23, after binding to IL23R, activates memory T cells and mediates pro-inflammatory activities in part by the production of IL17 through activation of TH17 lymphocytes. IL23R is expressed on T cells, NK cells, dendritic cells, and macrophages. In fact, polymorphisms of the IL23R gene were reported to be associated with susceptibility to inflammatory diseases and autoimmune diseases such as psoriasis, multiple sclerosis, Graves's opthalmopathy and inflammatory bowel diseases. The IL23R is known to be critically involved in the carcinogenesis of different malignant tumor.