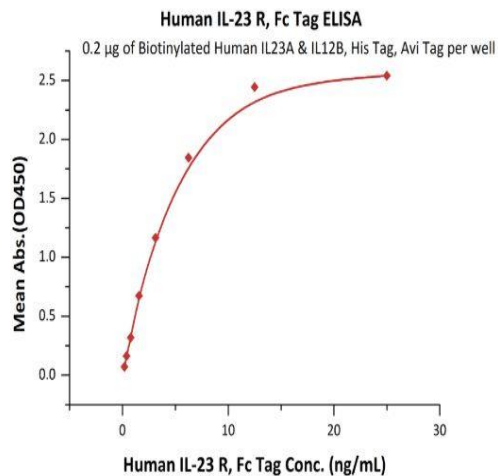
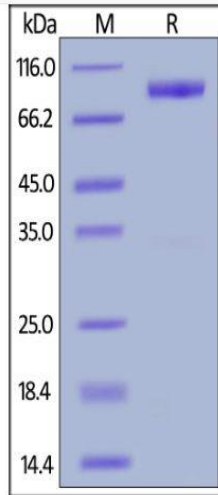


Human CellExp™ IL-23 R, Fc Tag, Human recombinant

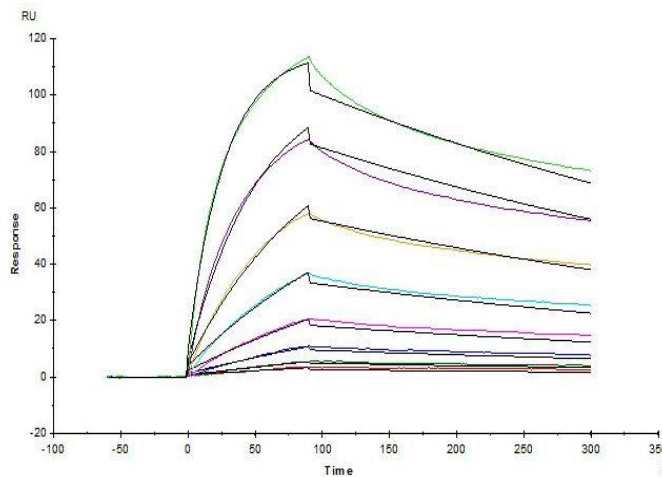
CATALOG NO:	P1425-10 10 µg P1425-50 50 µg
ALTERNATE NAMES:	IL23R, IL-23 Receptor, Interleukin-23 receptor
MOL. WT.	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 64.5 kDa. The protein migrates as 90-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
SOURCE:	HEK 293 Cells
PURITY:	>95% SDS-PAGE
ENDOTOXIN:	Less than 1.0 EU per µg by the LAL method.
FORM:	Lyophilized powder
FORMULATION:	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
RECONSTITUTION:	Reconstitute in sterile deionized water to the desired protein concentration.
SPECIFIC ACTIVITY:	Immobilized Biotinylated Human IL23A & IL12B, His Tag, Avi Tag at 2 µg/ml (100 µl/well) on streptavidin precoated (0.2 µg/well) plate, can bind Human IL-23 R, Fc Tag with a linear range of 0.4-6 ng/ml
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -70°C and use within 3 months. Avoid repeated freezing and thawing cycles. -20°C
DESCRIPTION:	Interleukin 23 receptor (IL-23R) is a type I cytokine receptor, and IL-23R pairs with the receptor molecule IL12RB1/IL12RBeta1, and both are required for IL23A signaling. Also, IL-23R associates constitutively with Janus kinase 2 (JAK2), and binds to transcription activator STAT3 in a ligand-dependent manner. Furthermore, IL-23R mediates T-cells, NK cells and possibly certain macrophage/myeloid cells stimulation probably through activation of the Jak-Stat signaling cascade. As for IL-23, it may be responsible for autoimmune inflammatory diseases and be important for tumorigenesis.
AMINO ACID SEQUENCE:	AA Gly 24 - Gly 355



Immobilized Biotinylated Human IL23A & IL12B, His Tag, Avi Tag at 2 µg/ml (100 µl/well) on streptavidin precoated (0.2 µg/well) plate, can bind Human IL-23 R, Fc Tag with a linear range of 0.4-6 ng/ml



Human IL-23 R, Fc Tag on SDS-PAGE under reducing (R) condition.



Captured Human IL-23 R, Fc Tag on CM5 chip via anti-human IgG Fc antibodies surface can bind Human IL23A & IL12B, His Tag with an affinity constant of 5.36 nM as determined in a SPR assay.

RELATED PRODUCTS:

- IL-12, human recombinant (Cat # 4161)
- Human CellExp™ IL-23, Human Recombinant (Cat# 6470)
- Anti-IL12RB1 Antibody (Cat# A1772)
- Anti-IL18R1 Antibody (Cat# A1776)
- IL-12 (Human) ELISA Kit (Cat# K4226)
- BioSim™ Ustekinumab (Stelara®) (Human) ELISA Kit (Cat# E4695)
- Human CellExp™ IL-12B & IL-12A Heterodimer, Human Recombinant (Cat# P1178)

FOR RESEARCH USE ONLY! Not to be used on humans.