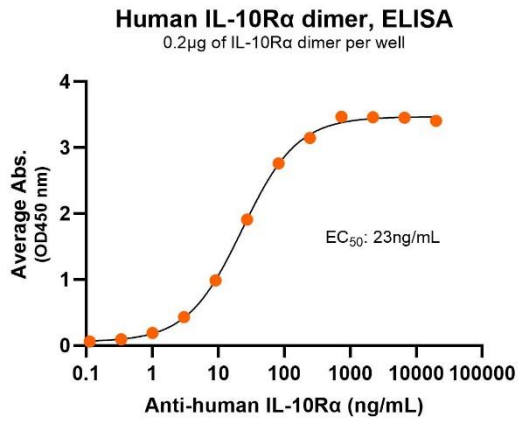
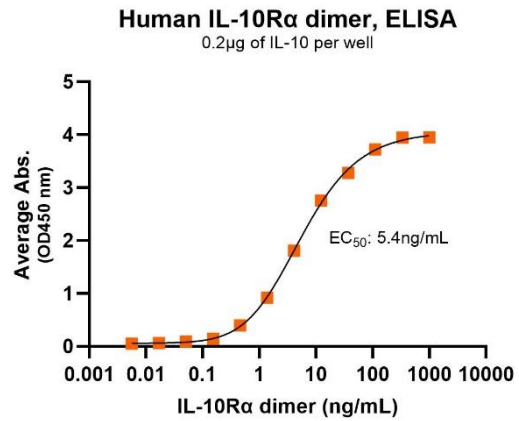


Bioactivity – Antibody Binding



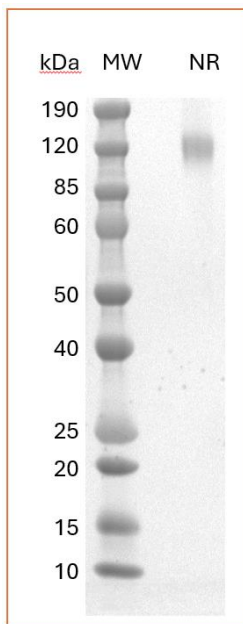
Immobilize human IL10R α dimer protein (Cat. No. CSP-24018) at 2 μ g/mL (100 μ L/well) can bind anti-human IL10R α monoclonal antibody with half maximal effective concentration (EC50) range of 14.6-58.2 ng/mL (QC tested).

Bioactivity – Ligand Binding



Immobilize human IL10 protein at 2 μ g/mL (100 μ L/well) can bind IL10R α dimer protein (Cat. No. CSP-24018) with half maximal effective concentration (EC50) range of 3.4 - 13.5 ng/mL (QC tested).

SDS-PAGE



MW: Molecular Weight marker reduced condition
 NR: IL-10R α dimer under non-reducing condition

The migration range of the dimer under non-reducing condition is 100-150kDa on SDS PAGE.



Bioactive, Human IL10R α Dimer, His Tag
Product Code: CSP-24018
For Research Use Only

Expression Host
HEK293T

Purity
Greater than 90% dimer form as determined by SDS PAGE under non-reducing condition

Protein Construct
IL10R α protein dimer contains 2 extracellular domains (UniProt# Q13651) with a homodimer motif and a His tag at the C-terminus. Expressed in HEK293T cells.

SDS Page Molecular Weight
101 kDa; The migration range of the dimer under non-reducing condition is 100-150kDa on SDS PAGE.

Shipping Conditions
Frozen Dry Ice

Protein Name
Human IL10R α

Alternate Name(s)
CD210, IL10R, CD210 α , CDW210A, HIL-10R, and IL-10R1

Amino Acid Range
His22-Asn235

Formulation
0.2 μ m filtered PBS, pH 7.4

Stability & Storage
-80°C

Background

Interleukin-10 receptor alpha (IL10R α), also known as IL-10 R1, CD210, CD210 α , CDW210A, is a subunit of interleukin-10 receptor (IL10R) complex. IL10R belongs to the type II cytokine receptor family. IL10R α is a type I integral membrane glycoprotein containing extracellular, transmembrane and intracellular domains. The extracellular domain has two immunoglobulin-like (Ig-like) C2-type domains. IL-10 cytokine dimer interacts with two IL10R α molecules to activate the cascade signaling pathway.