

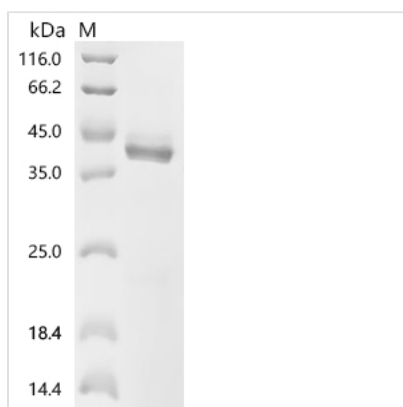


Recombinant Human IL23A&IL12B Heterodimer Protein (Active)

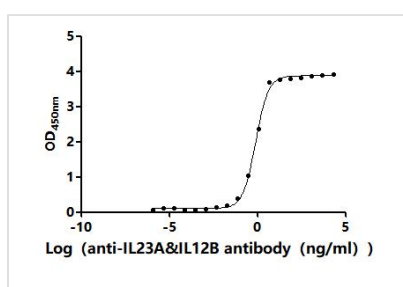
Product Code	CSB-MP6901HU
Abbreviation	Recombinant Human IL23A&IL12B Heterodimer protein (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9NPF7&P29460
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	① Measured by its binding ability in a functional ELISA. Immobilized Human IL23A&IL12B at 2 µg/mL can bind Anti-IL23A&IL12B recombinant antibody (CSB-RA011587MA2HU). The EC50 is 0.7293-0.8610 ng/mL. ② IL23A&IL12B Recombinant Monoclonal Antibody captured on Protein A Chip can bind Recombinant Human IL23A&IL12B (CSB-MP6901HU) with an affinity constant of 0.158 nM as detected by MetaSPR Assay (WeSPRTM 200).
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	RAVPGGSSPAWTQCQQLSQKCLTSAHPLVGHMDLREEGDEETTNDVPH IQCGDGC DPQGLRDNSQFCLQRIHQGLIFYEKLLGSDIFTGEP SLLPDS PVGQL HASLLGLS QLLQPEGHHWETQQIPSLSPSPWQRLLLRFKILRSLQAFVAVAA RVFAHGAATLSP&IWELK KD VYVVELDWYPDAPGEMVVLTCDTPEEDGITWTL DQSSEVLGSGKTLTIQVKEFGDAGQYTCHKGGEVLSHSLLLLHKKEDGIWSTD ILKDQKEPKNKTFLRCEAKNYSGRFTCWLLTTISTDLTFSVKSSRGSSDPQGV TCGAATLSAERVRGDNKEYEYSVEQEDSACPAAEESLPIEVMVDAVHKLKYE NYTSSFFIRDIIKPDPPKNLQKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCV QVQGKSKREKKDRVFTDKTSATVICRKNASISVRAQDRYSSSWSEWASVPC S
Source	Mammalian cell
Target Names	IL23A&IL12B
Expression Region	20-189aa(IL23A) & 23-328aa(IL12B)
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged & C-terminal Twin-Strep-tagged
Mol. Weight	22.3 kDa & 37.7 kDa
Protein Length	Heterodimer



Image

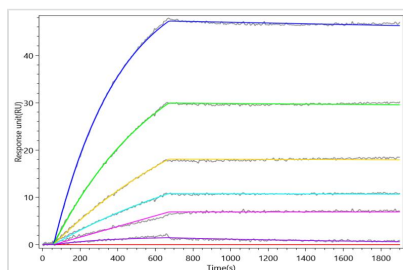


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity

Measured by its binding ability in a functional ELISA. Immobilized Human IL23A&IL12B at 2 $\mu\text{g/ml}$ can bind Anti-IL23A&IL12B recombinant antibody (CSB-RA011587MA2HU). The EC_{50} is 0.7293-0.8610 ng/mL.



Activity

IL23A&IL12B Recombinant Monoclonal Antibody captured on Protein A Chip can bind Recombinant Human IL23A&IL12B (CSB-MP6901HU) with an affinity constant of 0.158 nM as detected by MetaSPR Assay (WeSPRTM 200).

Endotoxin

Less than 1.0 EU/ μg as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.