

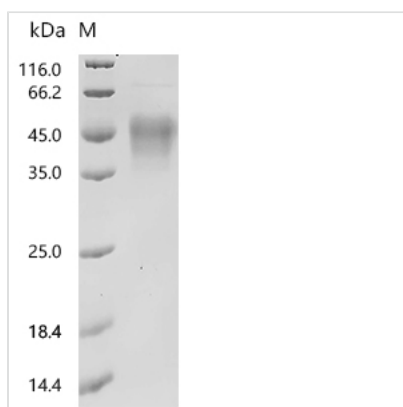


Recombinant *Macaca fascicularis* Interleukin-2 receptor subunit alpha (IL2RA), partial (Active)

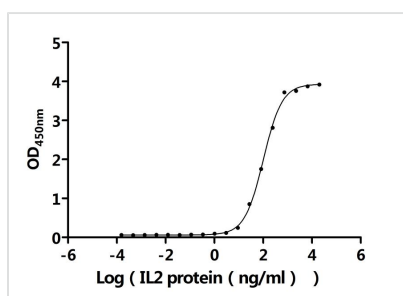
Product Code	CSB-MP5104MOV
Abbreviation	Recombinant Cynomolgus monkey IL2RA protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	H6WS54
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	<i>Macaca fascicularis</i> (Crab-eating macaque) (Cynomolgus monkey)
Biological Activity	<p>① Measured by its binding ability in a functional ELISA. Immobilized <i>Macaca fascicularis</i> IL2RA at 2 μg/mL can bind <i>Macaca fascicularis</i> IL2 (CSB-MP640916MOVd9). The EC50 is 88.60-116.8 ng/mL.</p> <p>② Measured by its binding ability in a functional ELISA. Immobilized <i>Macaca fascicularis</i> IL2RA at 2 μg/mL can bind Human IL2 (CSB-MP011629HU). The EC50 is 0.8151-1.087 ng/mL.</p> <p>③ <i>Macaca fascicularis</i> IL2 (CSB-MP640916MOVd9) captured on Protein A Chip can bind Recombinant <i>Macaca fascicularis</i> IL2RA with an affinity constant of 31.3 nM as detected by MetaSPR Assay (WeSPRTM 200).</p>
Purity	Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
Sequence	ELCDDDDPPKITHATFKAVAYKEGTMLNCECKRGFRRIKSGSPYMLCTGNSSHS SWDNQCQCTSSAARNTTKQVTPQPEEQKERKTTEMQSQMQLADQVSLPGH CREPPPWENEATERIYHFVVGQTVYYQCVQGYRALHRGPAESVCKMTHGKT RWTQPQLICTGETEPSQFPGEEEPQASPDGLPESETSRLVTTTTDFRIQTEVAA TMETFIFTTE
Source	Mammalian cell
Target Names	IL2RA
Expression Region	22-238aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	26.1 kDa
Protein Length	Partial



Image

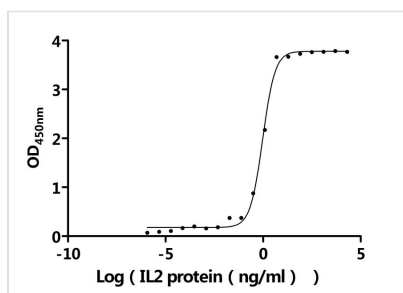


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



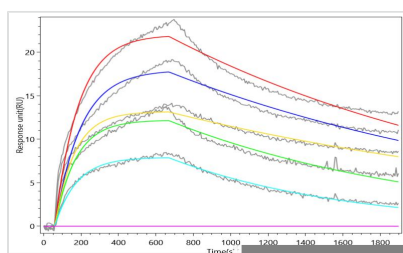
Activity

Measured by its binding ability in a functional ELISA. Immobilized *Macaca fascicularis* IL2RA at 2 µg/ml can bind *Macaca fascicularis* IL2 (CSB-MP640916MOVd9). The EC₅₀ is 88.60-116.8 ng/mL.



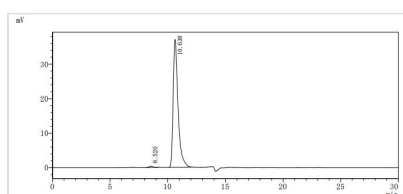
Activity

Measured by its binding ability in a functional ELISA. Immobilized *Macaca fascicularis* IL2RA at 2 µg/ml can bind Human IL2 (CSB-MP011629HU). The EC₅₀ is 0.8151-1.087 ng/mL.



Activity

Macaca fascicularis IL2 (CSB-MP640916MOVd9) captured on Protein A Chip can bind Recombinant *Macaca fascicularis* IL2RA with an affinity constant of 31.3 nM as detected by MetaSPR Assay (WeSPRTM 200).



The purity of IL2RA was greater than 95% as determined by SEC-HPLC

Endotoxin

Less than 1.0 EU/ug 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°C/-80°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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.