

CHAMOT

Recombinant AITRL, Human, Animal-Free

CM049-5HP

CM049-20HP

CM049-100HP

CM049-500HP

CM049-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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Recombinant AITRL, Human, Animal-Free

Catalog#	CM049-5HP	CM049-20HP	CM049-100HP	CM049-500HP	CM049-1000HP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

Product Specifications

Background AITRL also known as TNFSF18, GITRL and TL6, belonging to TNF superfamily. AITRL is a 20.3 kDa protein containing 177 residues that implicates in regulating immune systems. AITRL contributes to tumor suppression and the development of autoimmune diseases via interacting with TNFRSF18/AITR/GITR. Besides, AITRL-GITR signaling has been demonstrated to enhance phosphorylation of STAT1 and up-regulate expression of VCAM1 and ICAM1 in endothelial cells. Furthermore, AITRL can also facilitate the adhesion and transmigration of leukocytes to endothelial cells.

Synonyms activation-induced TNFR member ligand, TL6, GITRL, TNLG2A, hGITRL, TNFSF18

Uniprot ID Q9UNG2

Molecular Weight The protein has a calculated MW of 15.34 kDa. The protein migrates as 11 kDa under reducing condition (SDS-PAGE analysis).

Expression System Escherichia coli

Purity >98% as determined by SDS-PAGE.

Activity Measure by its ability to induce IL-8 secretion in human PBMC using a concentration range of 5-200 ng /mL. Note: Result may vary from different PBMC donors.

Endotoxin Level <0.1 EU per 1 µg of the protein by the LAL method.

Protein Sequence MQLETAKEPCMAKFGPLPSKWQMASSEPPCVNKVSDWKLEILQNGLYLIYGQVAPNANYNDVAPFEVRLYKNKDMIQTLTNKSKIQNVGGTYELHVGDTIDLIFNSEHQVLKNNTYWGII LIANPQEI with polyhistidine tag at the C-terminus.

Form The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Storage/Shipping

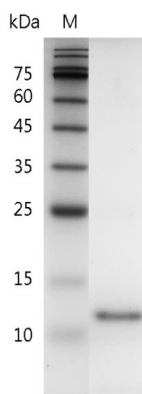
Stability & Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Shipping

Blue Ice

Scientific Data



SDS- PAGE analysis of recombinant human AITRL

For Research Use or Further Manufacturing Only

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