

Marmoset OX40/TNFRSF4/CD134 Protein

Cat. No. OX4-MM140

Description

Source	Recombinant Marmoset OX40/TNFRSF4/CD134 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Leu29-Pro213.
Accession	F7DHA3
Molecular Weight	The protein has a predicted MW of 21.4 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

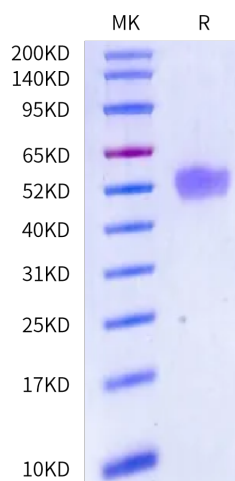
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Tumor necrosis factor receptor superfamily, member 4 (TNFRSF4), also known as CD134 and OX40 receptor. OX40 is a secondary co-stimulatory immune checkpoint molecule, expressed after 24 to 72 hours following activation; its ligand, OX40L, is also not expressed on resting antigen presenting cells, but is following their activation.

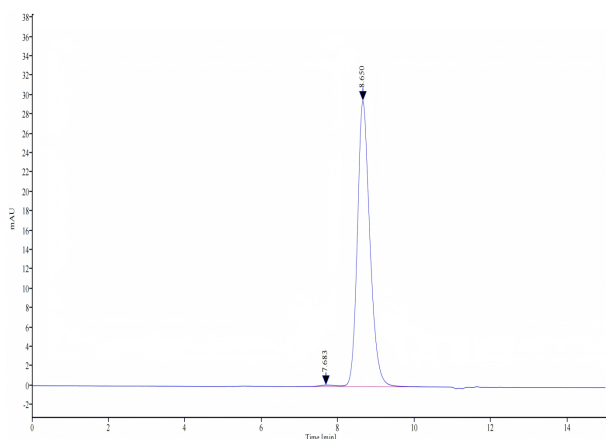
Assay Data

Bis-Tris PAGE



Marmoset OX40 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



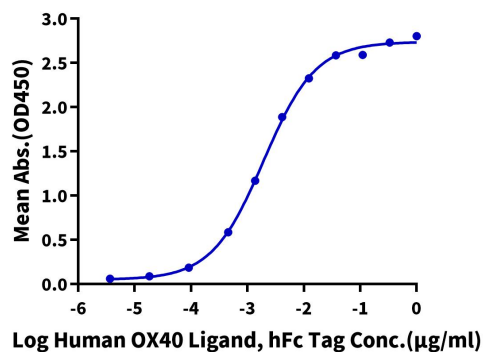
The purity of Marmoset OX40 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Marmoset OX40, His Tag ELISA

0.2µg Marmoset OX40, His Tag Per Well



Immobilized Marmoset OX40, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human OX40 Ligand, hFc Tag (Cat. OXL-HM240) with the EC50 of 1.9ng/ml determined by ELISA.