

Product Datasheet

Recombinant Mouse OX40 Ligand/TNFSF4 Protein NBP2-26577

Unit Size: 0.05 mg

Store at -80C. Avoid freeze-thaw cycles.

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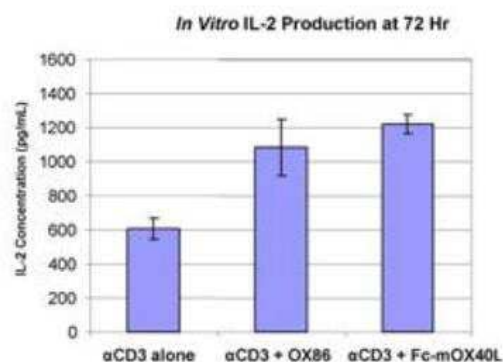
NBP2-26577**Recombinant Mouse OX40 Ligand/TNFSF4 Protein**

Product Information	
Unit Size	0.05 mg
Concentration	2 mg/ml
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	Protein A purified
Buffer	Phosphate-buffered solution, pH 7.2, containing no preservative. 0.2 um filter sterilized.
Target Molecular Weight	43.54 kDa
Product Description	
Description	<p>A recombinant protein corresponding to TNFSF4.</p> <p>Amino Acid Sequence: EPRGPTIKPCPPCKCPAPNLLGGPSVFIFPPKIKDVLMISLSPIVTCVVVDVSEDD PDVQISWVFNVEVHTAQTQTHREDYNSTLRVVSALPIQHQDWMSGKEFKCK VNNKDLPAPIERTISKPKGSVRAPQVYVLPPPEEEMTKKQVTLTCMVTDFMPE DIYVEWTNNGKTELNYKNTEPVLDSDGSYFMYSKLRVEKKNWVERNSYSCSV VHEGLHNHHTTKSFSRTPGKSGR <u>QLSSSPAKDPPIQRLRGAVTRCEDGQLFISSYKNEYQTMEVQNNSVVIKCDGL</u> <u>YIYLKGSFFQEVKIDLHFREDHNPISIPMLNDGRRIVFTVVASLAFKDKVYLTVN</u> <u>APDTLCEHLQINDGELIVVQLTPGYCAPEGSYHSTVNQVPL</u> Mouse Ig-Fc amino acid sequence, followed by linker (SGR) in bold and Extracellular mouse OX40L amino acid sequence is underlined</p>
Gene ID	7292
Gene Symbol	TNFSF4
Species	Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24633226)
Details of Functionality	In vitro proliferation assay, in vivo assays. This protein was measured by its ability to co-stimulate IL-2 secretion in the presence of anti-mCD3, and agonist antibody OX86.
Endotoxin Note	Endotoxin level < 0.1 EU/ug of the protein (< 0.01 ng/ug of the protein) as determined by the LAL test.
Product Application Details	
Applications	Functional, In vitro assay, SDS-Page
Recommended Dilutions	Functional reported in scientific literature (PMID 24633226), In vitro assay reported in scientific literature (PMID 24633226), SDS-Page

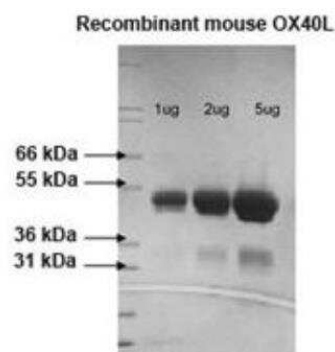


Images

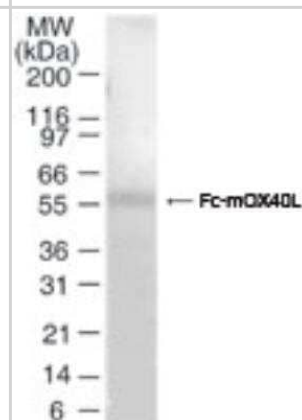
In vitro assay: TNFSF4 Protein [NBP2-26577] - Demonstration in vitro of the potency of Fc-OX40L in comparison to an agonist antibody OX86, with anti-CD3 alone serving as a negative control for co-stimulation.



SDS-Page: TNFSF4 Protein [NBP2-26577] - Electrophoretic analysis of Fc-mOX40L using Coomassie blue stained 4-20% reducing SDS-PAGE.



SDS-Page: Recombinant Mouse OX40 Ligand/TNFSF4 Protein [NBP2-26577] - Electrophoretic analysis of Fc-mOX40L using Coomassie blue stained 4-15% reducing SDS-PAGE.



Publications

Song Y, Margolles-Clark E, Bayer A, Buchwald P. Small-Molecule Modulators of the OX40-OX40L Costimulatory Protein-Protein Interaction. Br. J. Pharmacol. 2014-06-16 [PMID: 24930776] (Func, Mouse)

Details:

Figs 2, S3. The TNFSF4 (OX40L:Fc) protein was coated on plates and incubated with test compounds to identify OX40L small molecule binding partners.

Mahmud SA, Manlove LS, Schmitz HM et al. Costimulation via the tumor-necrosis factor receptor superfamily couples TCR signal strength to the thymic differentiation of regulatory T cells. Nat Immunol. [PMID: 24633226] (Func, In vitro, Mouse)

Details:

Citation using the Azide Free form of this antibody.



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Products Related to NBP2-26577

210-TA-005	TNF-alpha [Unconjugated]
MAB10541-100	OX40 Ligand/TNFSF4 Antibody (159403) [Unconjugated]
6507-IL-010/CF	IL-4 [Unconjugated]
285-IF-100	IFN-gamma [Unconjugated]

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