OX40 Antibody

PRODUCT OVERVIEW

Product Name	OX40, Antibody
Full Product Name	Biotinylated Anti-OX40 (rocatinlimab biosimilar) mAb
Product Gene Name	anti-OX40 antibody
Product Synonym Names	OX40; ACT35; CD134; IMD16; TXGP1L; TNFRSF4; AMG-451; AMG451; AMG 451; KHK-4083; KHK4083; KHK 4083
Isotype	IgG1
Species Reactivity	Human
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Molecular Weight	277
OMIM	gene 615593
3D Structure	ModBase 3D Structure for P43489
Conjugation	Biotinylated
Product Categories/Family for anti-OX40 antibody	Biosimilar reference antibodies
Applications Tested/Suitable for anti-OX40 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-OX40 antibody	MBS1881658 is an antibody targeting OX40. Also known as Biotinylated Anti-OX40 (rocatinlimab biosimilar) mAb. Reactive in Human.
Other Notes	Small volumes of anti-OX40 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OX40. It may not necessarily be applicable to this product.

NCBI GI #	1171933
NCBI GeneID	7293
NCBI Accession #	P43489.1
UniProt Primary Accession #	P43489
UniProt Secondary Accession #	Q13663; Q2M312; Q5T7M0
UniProt Related Accession #	P43489
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 4
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 4

NCBI Official Symbol	TNFRSF4
NCBI Official Synonym Symbols	OX40; ACT35; CD134; IMD16; TXGP1L
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 4
UniProt Synonym Protein Names	ACT35 antigen; OX40L receptor; TAX transcriptionally-activated glycoprotein 1 receptor; CD_antigen: CD134
Protein Family	Tumor necrosis factor ligand superfamily
UniProt Gene Name	TNFRSF4
UniProt Synonym Gene Names	TXGP1L
UniProt Entry Name	TNR4_HUMAN
NCBI Protein Information	tumor necrosis factor receptor superfamily member 4; OX40 antigen; ACT35 antigen; ATC35 antigen; CD134 antigen; OX40 homologue; OX40L receptor; OX40 cell surface antigen; lymphoid activation antigene ACT35; TAX transcriptionally-activated glycoprotein 1 r
NCBI Summary for OX40	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2IL1/BCL2-XL, and thus suppresses apoptosis. The knockout studies also suggested the roles of this receptor in CD4+ T cell response, as well as in T cell-dependent B cell proliferation and differentiation. [provided by RefSeq, Jul 2008]
UniProt Comments for OX40	TNFRSF4: Receptor for TNFSF4/OX40L/GP34. Protein type: Apoptosis; Receptor, misc.; Membrane protein, integral Chromosomal Location of Human Ortholog: 1p36 Cellular Component: cell surface; integral to plasma membrane; external side of plasma membrane Molecular Function: tumor necrosis factor receptor activity Biological Process: T cell proliferation; regulation of apoptosis; tumor necrosis factor-mediated signaling pathway; negative regulation of transcription factor activity; negative regulation of cytokine secretion; positive regulation of B cell proliferation; cellular defense response; immune response; positive regulation of immunoglobulin secretion; negative regulation of transcription, DNA-dependent; inflammatory response; regulation of protein kinase activity Disease: Immunodeficiency 16
Research Articles on OX40	**1.** cirrhotic and hepatocellular carcinoma fragments moderately and highly infiltrated by Tregs, respectively, expressing OX40
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