# OX40 Antibody

## PRODUCT OVERVIEW

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| **Product Name** | OX40, Antibody |
| **Full Product Name** | Biotinylated Anti-OX40 (gimistotug biosimilar) mAb |
| **Product Gene Name** | anti-OX40 antibody |
| **Product Synonym Names** | OX40; ACT35; CD134; IMD16; TXGP1L; TNFRSF4; BGB-A445; BGB A445 |
| **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** | MBS1881268 is an antibody targeting OX40. Also known as Biotinylated Anti-OX40 (gimistotug 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.

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| **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 |

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| **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.<br><br>Protein type: Apoptosis; Receptor, misc.; Membrane protein, integral<br><br>Chromosomal Location of Human Ortholog: 1p36<br><br>Cellular Component: cell surface; integral to plasma membrane; external side of plasma membrane<br><br>Molecular Function: tumor necrosis factor receptor activity<br><br>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<br><br>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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