

DESCRIPTION

Target:	TNFSF4
Target aliases:	OX-40L, CD252, TXGP1, Gp34, CD134L, TNLG2B, OX40L, OX40L, GP34
Fc isotype:	IgG2a
Membrane proteome specificity:	Monospecific for 6,000 membrane proteins tested
Species reactivity:	Human (Others untested)
Extracellular epitope:	Yes
Fc modifications:	C-terminal Avitag ¹ , disabled Fc-γ receptor binding ²
Source:	Recombinant CHO expression; purified by Protein A chromatography
Formulation:	Endotoxin Free PBS pH 7.4, sterile-filtered
Concentration:	1 mg/ml

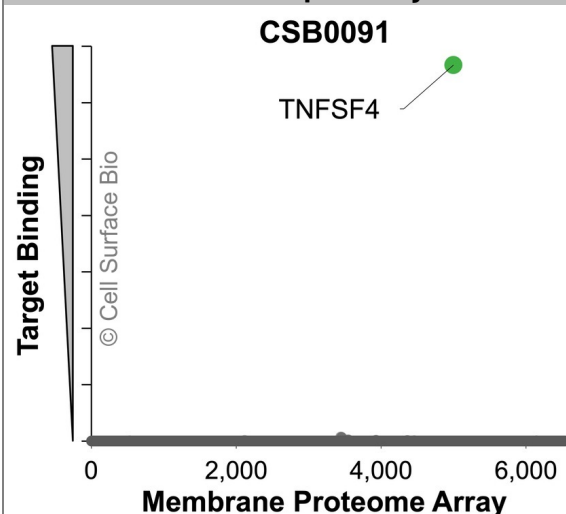
1. A peptide tag that can be biotinylated in vitro using the biotin ligase enzyme (BirA).
2. Mutated Fc-γ receptor binding site to minimize non-specific antibody binding.

TNFSF4 TARGET INFORMATION

TNFSF4 is a single-pass transmembrane protein and cytokine that is part of the tumor necrosis factor ligand family. TNFSF4 binds TNFRSF4 and promotes T-cell proliferation and cytokine production. TNFSF4 also mediates adhesion between endothelial cells and activated T-cells. Mutations in TNFSF4 are related to Sjogren's syndrome and lupus. (NCBI Gene: 7292, UniProtKB/Swiss-Prot: P23510) Other names: OX-40L, CD252, TXGP1, Gp34, CD134L, TNLG2B, OX40L, OX40L, GP34

SHIPPING AND STORAGE

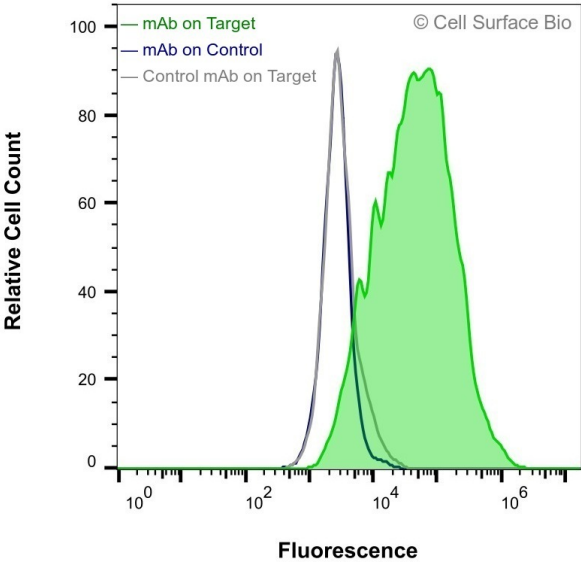
Shipping:	Shipped at ambient temperature. Store at 4°C.
Stability & Storage:	Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

VALIDATION DATA
Membrane Proteome Specificity


The specificity of TNFSF4 Monoclonal Antibody (CSB0091) was tested on the Membrane Proteome Array™ and shown to be specific for TNFSF4.

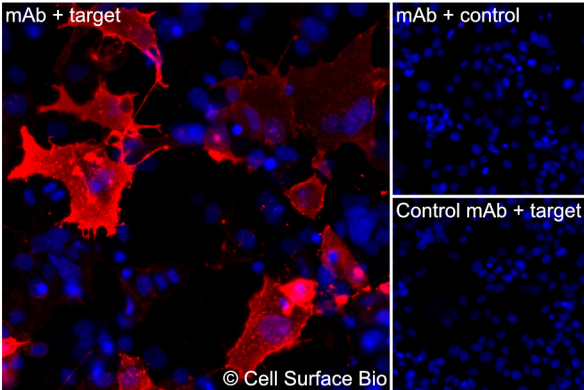
The Membrane Proteome Array™ contains 6,000 different human membrane proteins, each expressed in unfixed human cells to ensure native conformation and post-translational modifications. The Membrane Proteome Array™ represents the industry standard for determining the binding specificity of antibodies and other protein ligands.

Applications	Conditions	Recommended concentration
Flow Cytometry, Extracellular	Live, Unpermeabilized	1 µg/ml



HEK-293F cells transiently transfected with TNFSF4 were stained with TNFSF4 Monoclonal Antibody (CSB0091)(green) or isotype control antibody (gray), followed by AlexaFluor 647- conjugated anti- IgG secondary antibody. HEK-293F cells transiently transfected with an empty control vector were also stained with TNFSF4 Monoclonal Antibody (CSB0091)(blue).

Applications	Conditions	Recommended concentration
Immunofluorescence, Extracellular	Fixed 4% paraformaldehyde	1 µg/ml



(Left) COS-7 cells transiently transfected TNFSF4 were stained with TNFSF4 Monoclonal Antibody (CSB0091) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) COS-7 cells transiently transfected with an empty control vector stained with TNFSF4 Monoclonal Antibody. (Bottom right) Isotype control: COS-7 cells transfected with TNFSF4 and stained with control MAb.

Applications	Conditions	Recommended concentration
Immunofluorescence, Intracellular	Fixed 4% paraformaldehyde, Permeabilized 0.1% Triton X-100	1 µg/ml
mAb + target mAb + control Control mAb + target © Cell Surface Bio (Left) COS-7 cells transiently transfected TNFSF4 were permeabilized and stained with TNFSF4 Monoclonal Antibody (CSB0091) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) COS-7 cells transiently transfected with an empty control vector stained with TNFSF4 Monoclonal Antibody. (Bottom right) Isotype control: COS-7 cells transfected with {{target}} and stained with control MAb.		