

Mouse OX40/CD134/ TNFRSF4 Monoclonal Antibody | anti-TNFRSF4 antibody

OX40/CD134/ TNFRSF4 (Immuno-Oncology Target)

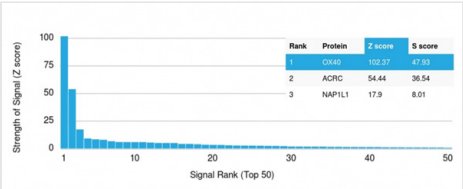
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23936	Mouse	Human, Chimpanzee	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

OX40/CD134/ TNFRSF4; Monoclonal Antibody; OX40/CD134/ TNFRSF4 (Immuno-Oncology Target); ACT35; CD134; Lymphoid activation antigen ACT35; OX40; TAX transcriptionally-activated glycoprotein 1 receptor; TNFRSF4 (Tumor necrosis factor receptor superfamily member 4); anti-TNFRSF4 antibody

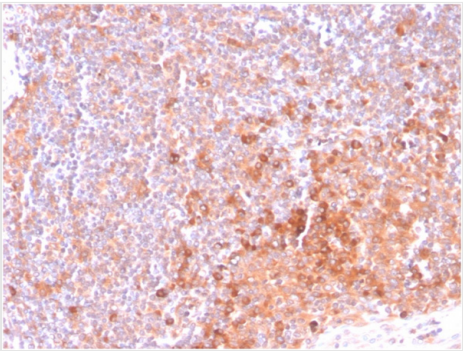
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Chimpanzee
Clonality	Monoclonal
Isotype	IgG2c, kappa
Clone Number	OX40/3108
Specificity	ThisMAb recognizes a protein of 43kDa, identified as OX40, which is also known as CD134. OX40 is a type I integral membrane glycoprotein and member of the tumor necrosis factor/nerve growth factor receptor (TNFR/NGFR) family. It is expressed on activated T lymphocytes, hematopoietic precursor cells and fibroblasts. It functions as a T cell co-stimulatory receptor when bound by OX40 Ligand/TNFSF4 that is expressed by antigen presenting cells. OX40 thereby plays roles in T-cell activation as well as the regulation of differentiation, proliferation or apoptosis of normal and malignant lymphoid cells. OX40 is upregulated at the sites of inflammation, especially in case of multiple sclerosis and psoriatic lesions.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	277
Applicable Applications for anti-TNFRSF4 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	FC: 1-2ug/million cells IF: 1-3ug/ml IHC: 1-2ug/ml 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Positive Control	MOLT-4 cells. Human peripheral blood leukocytes (hPBL). Human tonsil tissue (IHC).
Immunogen	Recombinant fragment of human OX40 (CD134) protein (around aa 59-205) (exact sequence is proprietary)
Cellular Localization	Membrane
Preparation and Storage	Antibody with azide: store at 2-8°C. Antibody without azide: store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



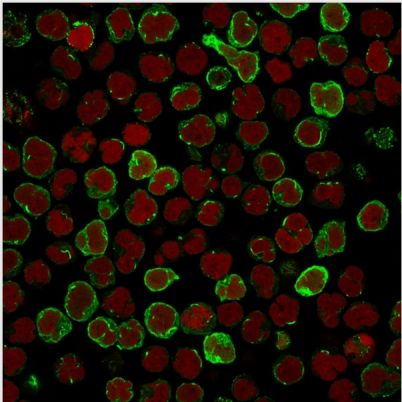
Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using OX40 Mouse Monoclonal Antibody (OX40/3108). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



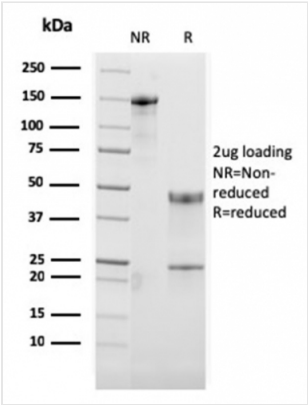
IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with OX40 Mouse Monoclonal Antibody (OX40/3108).



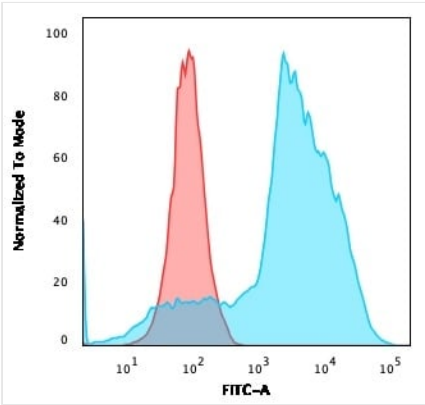
IF (Immunofluorescence)

Immunofluorescence staining of MOLT4 cells using OX40 Mouse Monoclonal Antibody (OX40/3108) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.



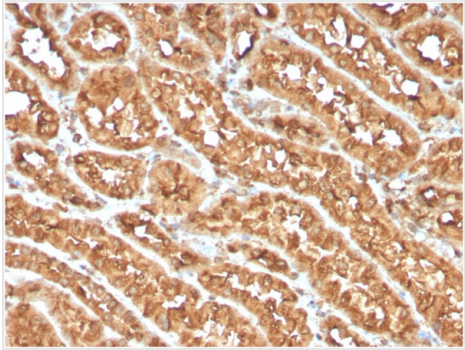
SDS-PAGE

SDS-PAGE Analysis Purified OX40 Mouse Monoclonal Antibody (OX40/3108). Confirmation of Integrity and Purity of Antibody.



FCM (Flow Cytometry)

Flow Cytometric Analysis of MOLT4 cells using OX40 Mouse Monoclonal Antibody (OX40/3108) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with OX40 Mouse Monoclonal Antibody (OX40/3108).

ADDITIONAL INFORMATION

References

1. Durkop H, et al. 1997. Brit. J. Haematol. 98:863. 2. Durkop H, et al. 1995. Brit. J. Haematol. 91:927.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1171933
NCBI GeneID	7293
UniProt Accession #	P43489
Molecular Weight	43kDa
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 4
NCBI Official Synonym Full Names	TNF receptor superfamily member 4
NCBI Official Symbol	TNFRSF4
NCBI Official Synonym Symbols	OX40; ACT35; CD134; IMD16; TXGP1L
NCBI Protein Information	tumor necrosis factor receptor superfamily member 4
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 4
UniProt Gene Name	TNFRSF4
UniProt Synonym Gene Names	TXGP1L
UniProt Entry Name	TNR4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ox40-cd134-tnfrsf4-antibody-clone-ox40-3108-flow-cytometry-immunofluorescence-immunohistochemistry-elisa/23936>