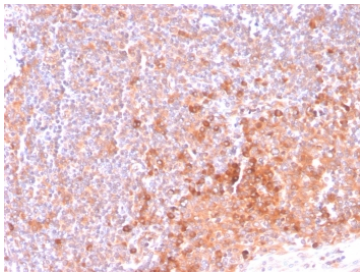
OX40 Antibody / CD134 / TNFRSF4 [clone OX40/3108] (V7534)

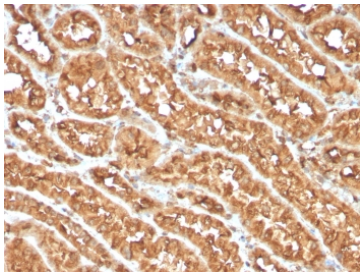
Catalog No.	Formulation	Size
V7534-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7534-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7534SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7534IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

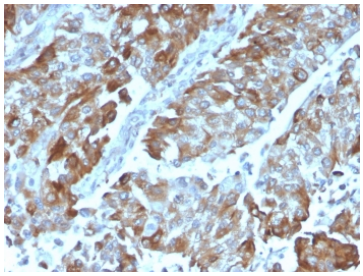
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2c, kappa
Clone Name	OX40/3108
Purity	Protein G affinity chromatography
UniProt	P43489
Localization	Cell surface, cytoplasmic
Applications	ELISA (order BSA/sodium Azide-free Format For Coating) : Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This OX40 antibody is available for research use only.



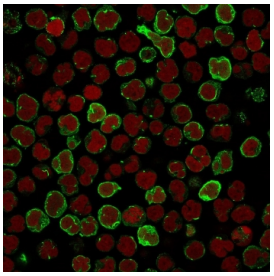
IHC staining of FFPE human tonsil tissue with OX40 antibody (clone OX40/3108). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



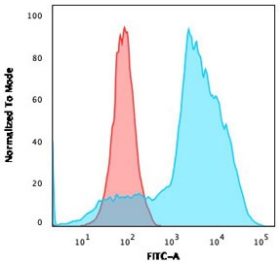
IHC staining of FFPE human renal cell carcinoma with OX40 antibody (clone OX40/3108). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



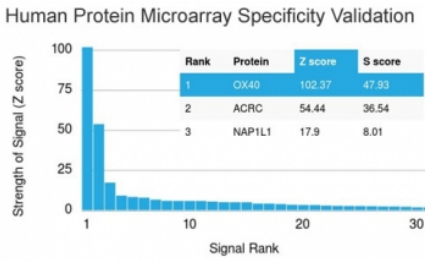
IHC staining of FFPE human renal cell carcinoma with OX40 antibody (clone OX40/3108). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



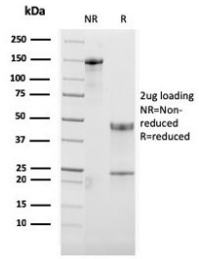
Immunofluorescence staining of human MOLT4 cells with OX40 antibody (green, clone OX40/3108) and Reddot nuclear stain (red).



Flow cytometry testing of human MOLT4 cells with OX40 antibody (clone OX40/3108); Red=isotype control, Blue= OX40 antibody.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using OX40 antibody (clone OX40/3108). These results demonstrate the foremost specificity of the OX40/3108 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free OX40 antibody (clone OX40/3108) as confirmation of integrity and purity.

Description

This MAb 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.

Application Notes

Optimal dilution of the OX40 antibody should be determined by the researcher.
1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A portion of amino acids 95-205 from the human protein was used as the immunogen for the OX40 antibody.

Storage

Store the OX40 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).