

Mouse anti-Human OX-40/CD134 Monoclonal Antibody | anti-OX-40/CD134 antibody

OX-40/CD134

CATALOG # AAA59298	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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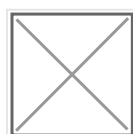
PRODUCT SYNONYMS

OX-40/CD134; Monoclonal Antibody; anti-OX-40/CD134 antibody

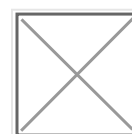
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	BSB-90
Form/Format	OX-40 / CD134 is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Applicable Applications for anti-OX-40/CD134 antibody	IHC (Immunohistochemistry)
Localization	Cytoplasmic, Membranous
Control	Tonsil, Lymph Node, Thymus
Intended Use	For Analyte Specific Regent. Analytical and performance characteristics for OX-40 antibody, BSB-90 are not established.
Immunogen	Synthetic peptide corresponding to the N-terminus of the human OX40 protein.
Precautions	1. This product contains <0.1% sodium azide (NaN₃) as a preservative. Ensure proper handling procedures are used with this reagent. 2. Always wear personal protective equipment such as laboratory coat, goggles and gloves when handling reagents. 3. Dispose of unused solution with copious amount of water. 4. Do not ingest reagent. If reagent is ingested, seek medical advice immediately. 5. Avoid contact with eyes. If contact occurs, flush with large quantities of water. 6. Follow safety precautions of the heating device used for epitope retrieval (Tinto Retriever Pressure Cooker or similar). 7. For additional safety information refer to Safety Data Sheet for this product. 8. For complete recommendations for handling biological specimens, please refer to the CDC document, Guidelines for Safe Work Practices in Human and Animal Laboratories" (see References in this document).
Preparation and Storage	Store at 2 to 8 degree C.

IMAGES



Quality Control Procedure


IHC (Immunohistochemistry)
IHC of OX-40 on an FFPE Tissue



Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-OX-40/CD134 antibody

OX-40 also known as CD134 and Tumor Necrosis Factor Receptor Superfamily Member 4 (TNFRSF4), is a member of the TNFR-superfamily of receptors which is not constitutively expressed on activated CD4 and CD8 T cells as well as a number of other lymphoid and non-lymphoid cells, unlike CD28. OX40 and its binding partner, OX40L (CD252), are costimulatory signals from OX40 to a conventional T cell to promote division and survival, augmenting the clonal expansion of effector and memory populations as they are being generated to antigen. OX40 and OX40L also regulate cytokine production from T cells, antigen-presenting cells, NK cells, and NKT cells, and modulate cytokine receptor signaling. In line with these important modulatory functions, OX40/OX40L interactions have been found to play a central role in the development of multiple inflammatory and autoimmune diseases. Besides the essential role played by OX40 signaling in generating memory CD4 T cells, recent reports show that it also has a unique role in generating memory CD8 T cells. In addition, recent genome-wide association studies have identified single-nucleotide polymorphisms of the OX40L and OX40 genes that are related to cardiovascular diseases and SLE, providing direct evidence for the involvement of the OX40-OX40L interaction in human diseases.

OX40 is a potent costimulatory receptor that can potentiate T-cell receptor signaling on the surface of T lymphocytes, leading to their activation by a specifically recognized antigen. In particular, OX40 engagement by ligands present on dendritic cells dramatically increases the proliferation, effector function, and survival of T cells. Preclinical studies have shown that OX40 agonists increase antitumor immunity and improve tumor-free survival by increasing T and B cell responses to reporter antigen immunizations, led to preferential upregulation of OX40 on CD4(+) FoxP3(+) regulatory T cells in tumor-infiltrating lymphocytes, and increased the antitumor reactivity of T and B cells in patients with melanoma.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/ox-40-cd134-antibody-clone-bsb-90-immunohistochemistry-elisa/59298>