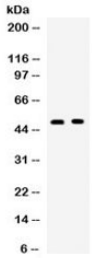
# OX40 Antibody / CD134 (R32104)

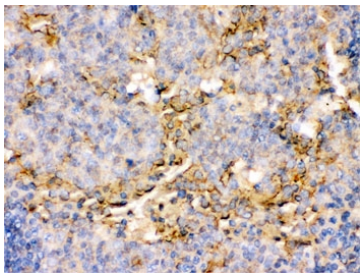
| Catalog No. | Formulation | Size |
|---|---|---|
| R32104 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

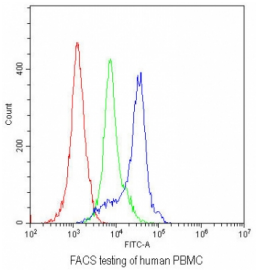
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| **UniProt** | P43489 |
| **Localization** | Cytoplasmic, membranous |
| **Applications** | Western blot: 0.1-0.5ug/ml<br>IHC (FFPE): 0.5-1ug/ml<br>FACS: 1-3ug/10^6 cells |
| **Limitations** | This OX40 antibody is available for research use only. |




Western blot testing of human 1) SW620 and 2) 22RV1 cell lysate with OX40 antibody. Expected molecular weight: 29-50 kDa depending on glcyosylation level.



IHC testing of FFPE human tonsil with OX40 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.




Flow cytometry testing of human PBMC with OX40 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= OX40 antibody.

## Description

OX40 (CD134) and its binding partner, OX40L (CD252), are members of the tumor necrosis factor receptor/tumor necrosis factor superfamily, is known to break an existing state of tolerance in malignancies, leading to a reactivation of antitumor immunity. The interaction between the proteins plays an important role in antigen-specific T-cell expansion and survival. OX40 and OX40L also regulate cytokine production from T cells, antigen-presenting cells, natural killer cells, and natural killer T 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, making them attractive candidates for intervention in the clinic. Conversely, stimulating OX40 has shown it to be a candidate for therapeutic immunization strategies for cancer and infectious disease.

## Application Notes

Optimal dilution of the OX40 antibody should be determined by the researcher.

## Immunogen

Amino acids AILLALYLLRRDQRLPPDAHKPP of human CD134/OX40 were used as the immunogen for the OX40 antibody.

## Storage

After reconstitution, the OX40 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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