

Monoclonal Antibody to CD134 / TNFRSF4 - PE

Alternate names:	ACT35 antigen, OX40L receptor, TAX transcriptionally-activated glycoprotein 1 receptor, TNFRSF4, TXGP1L, Tumor necrosis factor receptor superfamily member 4
Catalog No.:	SM055R
Quantity:	100 Tests
Background:	The OX40 receptor is also known as CD134, ACT35, and tumour necrosis factor receptor superfamily member 4. This receptor is expressed on activated CD4+ and CD8+ T cells and B cells. The OX40 receptor binds to the OX40 ligand to provide a co-stimulatory signal that is independent of CD28. Blockade of OX40-OX40 ligand interactions has been shown to ameliorate experimental EAE and inflammatory bowel disease, imply that these interactions are important in the pathogenesis of some autoimmune diseases.
Uniprot ID:	P47741
NCBI:	NP_035789.1
GeneID:	22163
Host / Isotype:	Rat / IgG1
Clone:	OX-86
Immunogen:	CHO cells transfected with murine OX40. Spleen cells from immunised AO rats were fused with cells of the mouse NS1 myeloma cell line.
Format:	State: Lyophilized purified IgG fraction. Purification: Affinity chromatography on Protein G Buffer System: PBS, pH 7.4 with 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with distilled water.
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label 1x10 ⁶ cells. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises OX40 (CD134), a cell surface antigen expressed only by activated T lymphocytes. This product is routinely tested on concanavalin A activated splenocytes. Species: Mouse. Other species not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage:

Prior to and following reconstitution store the antibody undiluted at 2-8°C.

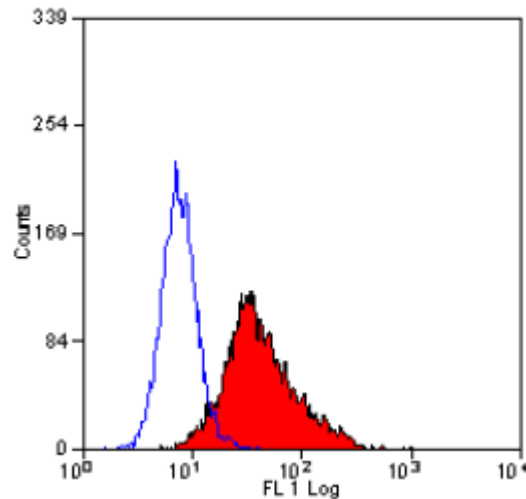
DO NOT FREEZE!

This product is photosensitive and should be protected from light.

Shelf life: one year from despatch.

General References:

1. Higgins, L. M. et al. (1999) Regulation of T Cell Activation in vitro and in vivo by targeting the OX40-OX40 ligand interaction: Amelioration of Ongoing Inflammatory Bowel Disease with an OX40-IgG Fusion Protein, but not with an OX40 ligand-IgG fusion protein. *J. Immunol.* 162: 486-493.
2. Takeda, K. et al. (2000). CD27-mediated activation of murine NK cells. *J. Immunol.* 164: 1741-1745.

Pictures:

Staining of Concanavalin A stimulated mouse spleen cells with Rat anti Mouse CD134-RPE.

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