

Product datasheet for **SM055R**

Tnfrsf4 Rat Monoclonal Antibody [Clone ID: OX-86]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-86
Applications:	FC
Recommended Dilution:	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.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	CHO cells transfected with murine OX40. Spleen cells from immunised AO rats were fused with cells of the mouse NS1 myeloma cell line.
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.
Formulation:	PBS, pH 7.4 with 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE State: Lyophilized purified IgG fraction. Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with distilled water.
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor receptor superfamily, member 4
Database Link:	Entrez Gene 22163 Mouse P47741



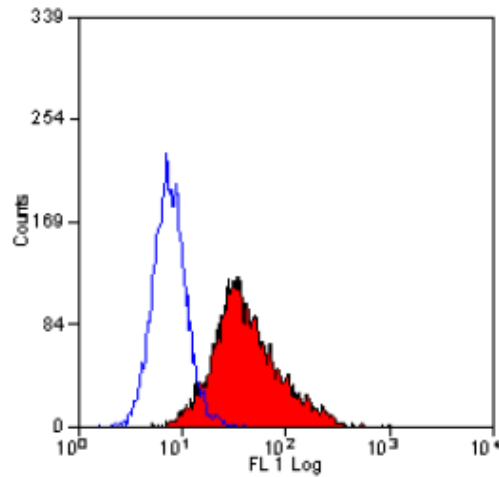
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Background:

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.

Synonyms:

TNFRSF4, TXGP1L, ACT35 antigen, OX40L receptor

Product images:

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