

## Product datasheet for **SM055F**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-86
Applications:	FC
Recommended Dilution:	Flow Cytometry: Neat - 1/10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl; 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.
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. 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:	<a href="#">Entrez Gene 22163 Mouse P47741</a>



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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