

Product datasheet for **SM055PS**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-86
Applications:	FC, IHC
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/10-1/50 diluted antibody to label 1x10 ⁶ cells in 100 µl. Immunohistochemistry on Frozen Sections.
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, pH 7.4 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor receptor superfamily, member 4
Database Link:	Entrez Gene 22163 Mouse P47741



[View online »](#)

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