

Product datasheet for **TA320502**

Tnfsf11 Rat Monoclonal Antibody [Clone ID: IK22/5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	IK22/5
Recommended Dilution:	Flow, Functional Assay
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor (ligand) superfamily, member 11
Database Link:	NP_035743 Entrez Gene 21943 Mouse O35235

Background: The IK22/5 monoclonal antibody reacts with mouse CD254 also known as TRANCE (TNF-related activation-induced cytokine receptor) and RANKL (receptor activator of NF-kappa B ligand) and OPGL (Osteoprotegerin Ligand). TRANCE is a type II membrane protein with predicted molecular weight of 35 kDa. Its extracellular domain is most closely related to TRAIL, FasL and TNF. TRANCE mRNA is upregulated by TCR stimulation and is expressed abundantly by mouse T cells not B cells in mouse thymus and lymph nodes. TRANCE-deficient mouse lacks osteoclasts. In addition, TRANCE has been shown to be involved in the interactions between T-dendritic and T-B cells. It was also found to be critical in osteoclast differentiation. The TRANCE-RANK interaction regulates the expression of the anti-apoptotic molecule Bcl-xL.

Synonyms: CD254; hRANKL2; ODF; OPGL; OPTB2; OTTHUMP00000178585; RANKL; sOdf; TRANCE



[View online »](#)