Immunotag™ TNFSF11 Antibody

Antibody Specification

Catalog No.	ITA3901
Product Description	Immunotag™ TNFSF11 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TNFSF11
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:1000-3000 IF/ICC 1:200-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human TNFSF11
Specificity	TNFSF11 Antibody detects endogenous levels of total TNFSF11
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	TNFSF11
Accession No.	O14788
Alternate Names	CD254; hRANKL2; ODF; OPGL; OPTB2; Osteoclast differentiation factor; Osteoprotegerin ligand; RANKL; Receptor activator of nuclear factor kappa B ligand; Receptor activator of nuclear factor kappa-B ligand; sOdf; TNF related activation induced cytokine; TNF-related activation-induced cytokine; TNF11_HUMAN; TNFSF 11; Tnfsf11; TRANCE; Tumor necrosis factor (ligand) superfamily member 11; Tumor necrosis factor ligand superfamily member 11; Tumor necrosis factor ligand superfamily member 11, soluble form;

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Description	Cytokine that binds to TNFRSF11B/OPG and to TNFRSF11A/RANK. Osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive T-cell proliferation. May be an important regulator of interactions between T-cells and dendritic cells and may play a role in the regulation of the T-cell-dependent immune response. May also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy (PubMed:22664871). Induces osteoclastogenesis by activating multiple signaling pathways in osteoclast precursor cells, chief among which is induction of long lasting oscillations in the intracellular concentration of Ca (2+) resulting in the activation of NFATC1, which translocates to the nucleus and induces osteoclast-specific gene transcription to allow differentiation of osteoclasts. During osteoclast differentiation, in a TMEM64 and ATP2A2-dependent manner induces activation of CREB1 and mitochondrial ROS generation necessary for proper osteoclast generation (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	40 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.