Datasheet for ABIN1344301

RANKL Protein (AA 157-316, Soluble) (Fc Tag)

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1 Publication

Overview

Quantity:	10 µg
Target:	RANKL (TNFSF11)
Protein Characteristics:	Soluble, AA 157-316
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This RANKL protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

Product Details

Specificity:	Binds to mouse RANK.
Cross-Reactivity:	Mouse (Murine)
Characteristics:	Mouse RANKL (aa 157-316) is fused at the N-terminus to the Fc portion of human IgG1.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	RANKL (TNFSF11)
Alternative Name:	Fc :RANKL (TNFSF11 Products)

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Target Details

Background:	RANKL is an osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive T cell proliferation. 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. RANKL plays an important role in the progression of Breast cancer.
Molecular Weight:	~55kDa (SDS-PAGE)
UniProt:	O35235
Pathways:	NF-kappaB Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Induces osteoclastogenesis of bone marrow-derived macrophages.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with 100 µL sterile water.
Concentration:	Lot specific
Buffer:	Lyophilized. Contains PBS.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 6 months after receipt when stored at -20°C.
Expiry Date:	6 months

Publications

Product cited in:	Cao, Ye, Zhang, Zhu, Wang, Yao: "A multiplex model of combining gene-based, protein-based, and metabolite-based with positive and negative markers in urine for the early diagnosis of prostate cancer." in: **The Prostate**, Vol. 71, Issue 7, pp. 700-10, (2011) (PubMed). Schostak, Schwall, Poznanovi?, Groebe, Müller, Messinger, Miller, Krause, Pelzer, Horninger, Klocker, Hennenlotter, Feyerabend, Stenzl, Schrattenholz: "Annexin A3 in urine: a highly specific

noninvasive marker for prostate cancer early detection." in: **The Journal of urology**, Vol. 181, Issue 1, pp. 343-53, (2008) (PubMed).

Wozny, Schroer, Schwall, Poznanovi?, Stegmann, Dietz, Rogatsch, Schaefer, Huebl, Klocker, Schrattenholz, Cahill: "Differential radioactive quantification of protein abundance ratios between benign and malignant prostate tissues: cancer association of annexin A3." in: **Proteomics**, Vol. 7, Issue 2, pp. 313-22, (2007) (PubMed).

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