



# Human Soluble RANKL (DAG259)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Specific methodologies have not been tested using this product.
<b>Molecular Weight</b>	19.7 kDa
<b>Format</b>	Lyophilized powder
<b>Concentration</b>	Lot specific; Endotoxin level: 0.01ng/mg (0.1EU/ug)
<b>Size</b>	10µg, 1mg
<b>Buffer</b>	10mM Sodium phosphate, pH7.5
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

### Introduction

RANKL is known as a type II membrane protein and is a member of the tumor necrosis factor (TNF) superfamily. RANKL has been identified to effect the immune system and control bone regeneration and remodeling. RANKL may be used as an apoptosis regulator gene, a binding partner of OPG, a ligand for the receptor RANK and control proliferation by modifying protein levels of Id4, Id2 and cyclin D1. RANKL is expressed in several tissues and organs including: skeletal muscle, thymus, liver, colon, small intestine, adrenal gland, osteoclast, mammary gland epithelial cells, prostate and pancreas. Variation in concentration levels of RANKL throughout several organs, reconfirm the uses and importance of growth (particularly bone growth) and immune functions within the body.

**Keywords**

TNFSF11; tumor necrosis factor (ligand) superfamily, member 11; ODF; OPGL; sOdf; CD254; OPTB2; RANKL; TRANCE; hRANKL2; tumor necrosis factor ligand superfamily member 11; OTTHUMP00000018328; OTTHUMP000000178585; osteoprotegerin ligand; osteoclast different

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