

Datasheet: AHP2797Z

**BATCH NUMBER 156471**

<b>Description:</b>	RABBIT ANTI HUMAN CD265 (SOLUBLE):Preservative Free
<b>Specificity:</b>	CD265 (SOLUBLE)
<b>Other names:</b>	sRANK
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.5 ug/ml - 2.0 ug/ml
Western Blotting	▪			0.1 ug/ml - 0.2 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.1 ml PBS + 0.1% BSA
<b>Antiserum Preparation</b>	Produced from sera of rabbits immunized with recombinant human sRANK and purified by affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes

Endotoxin Level	< 0.1 ng/μg of protein (< 1 EU/μg)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml after reconstitution
Immunogen	<i>E. coli</i> derived recombinant human soluble CD265 containing the TNFR-homologous, cysteine-rich portion of the extracellular domain of RANK receptor
External Database Links	<p><b>UniProt:</b>  <a href="#">Q9Y6Q6</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">8792</a>    TNFRSF11A    <a href="#">Related reagents</a></p>
Synonyms	RANK
Specificity	<p><b>Rabbit anti Human CD265 (soluble) antibody</b>, recognizes CD265 also known as RANK, TNFRSF11A, osteoclast differentiation factor receptor and receptor activator of NF-κB. This antibody recognizes the soluble TNFR homologous cysteine rich portion of the extracellular domain of the CD265 receptor.</p> <p>CD265 has major functions in bone remodeling, signaling to regulate osteoclast formation, activation and survival in normal bone modeling and remodeling in an array of pathological conditions characterized by upregulated bone turnover (<a href="#">Boyce &amp; Xing 2008</a>). CD265 signaling is induced upon binding of its ligand RANKL which results in the recruitment of one of several adapter proteins including TRAF6. This can result in the activation of the NF-κB, MAPK or c-Src signaling pathways (<a href="#">Nagy &amp; Penninger 2015</a>).</p> <p>Beyond its crucial function in osteoclastogenesis, CD265 has also been implicated in other physiological processes including immunotolerance, organogenesis of the immune system and osteoimmunology (<a href="#">Sigl et al. 2016</a>).</p>
Storage	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2797Z">https://www.bio-rad-antibodies.com/SDS/AHP2797Z</a> 10294
Regulatory	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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