

# RANKL / OPGL / TNFSF11 / CD254 Neutralizing Antibody



Sino Biological  
Biological Solution Specialist

Catalog Number: 11682-R001

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GENERAL INFORMATION	
<b>Immunogen:</b>	Recombinant Human RANKL / OPGL / TNFSF11 / CD254 Protein (Catalog#11682-HNCH)
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, recombinant Human RANKL / OPGL / TNFSF11 / CD254 (rh RANKL / OPGL / TNFSF11 / CD254; Catalog#11682-HNCH; AAC51762.1; Gly64-Asp245) and was produced using recombinant antibody technology.
<b>Ig Type:</b>	Rabbit IgG
<b>Clone ID:</b>	R001
<b>Specificity:</b>	Human RANKL / OPGL / TNFSF11 / CD254
	Has cross-reactivity in ELISA with Cynomolgus TNFSF11 (Catalog # 90301-C01H) No cross-reactivity in ELISA with Mouse TNFSF11 (Catalog # 50343-M01H)
<b>Formulation:</b>	0.2 µm filtered solution in Histidine and Arginine buffer containing 120mM NaCl, 0.02% Tween 80, pH6.0
<b>Block:</b>	In a functional ELISA which immobilized recombinant Human TNFRSF11A (Catalog # 16078-H08H) at 2µg/mL (100 µL/well) in the plate, the Rabbit anti-Human TNFSF11 Monoclonal Antibody (Catalog # 11682-R001) can block the binding of 0.2 µg/mL of recombinant Human TNFSF11 (Catalog # 11682-HNCH) to human TNFRSF11A, the EC <sub>50</sub> is 0.48 µg/mL; Immobilized recombinant Human recombinant Human TNFRSF11B (Catalog # 10271-H08H) at 2 µg/mL in the plate, the Antibody can block the binding of 0.2 µg/mL of recombinant Human TNFSF11 (Catalog # 11682-HNCH) to human TNFRSF11B, the EC <sub>50</sub> is 1.02 µg/mL.
<b>Neutralization:</b>	The neutralization activity of TNFSF11 Neutralizing Antibody is Measured by its ability to neutralize TNFSF11 induced osteoclast-like cell formation in RAW 264.7 mouse macrophages. The Neutralization titer (IC <sub>50</sub> ) is typically 4-16 ng/mL in the presence of 30 ng/mL Recombinant Human RANKL/OPGL/TNFSF11/CD254.
<b>Storage:</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Avoid repeated freeze-thaw cycles.
<b>Alternative Names:</b>	CD254
APPLICATIONS	
<b>Applications:</b>	Neutralization

*Please Note: Optimal concentrations/dilutions should be determined by the end user.*

**For Research Use Only. Not for use in diagnostic or therapeutic procedures.**

**Tel: +86-400-890-9989 (Global), +1-215-583-7898 (USA), +49(0)6196 9678656 (Europe)**

**Website: <http://www.sinobiological.com>**

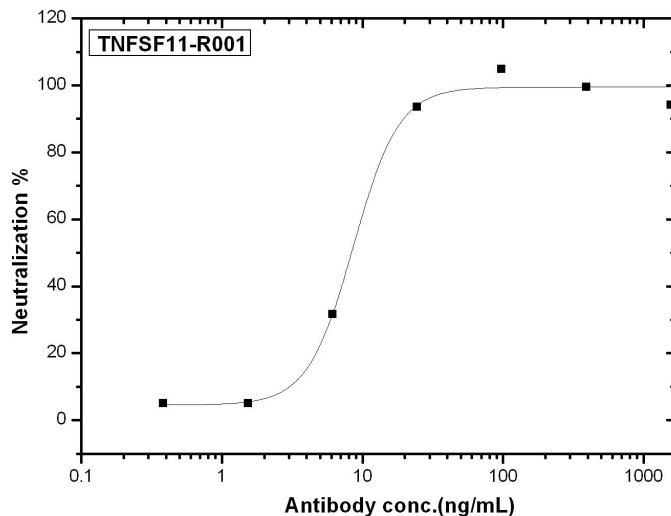
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## Osteoclast-like cell formation Induced by Human

### RANKL/OPGL/TNFSF11/CD254 was Neutralized by Human

#### RANKL/OPGL/TNFSF11/CD254 Antibody. Recombinant Human

RANKL/OPGL/TNFSF11/CD254 stimulates osteoclast-like cell formation in RAW 264.7 mouse macrophages. Osteoclast-like cell formation elicited by Recombinant Human IL4 (0.2 ng/mL) is neutralized by increasing concentrations of Human IL4R Monoclonal Antibody (Catalog # 10402-R401). The IC<sub>50</sub> is typically 4-16 ng/mL.

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