

Human TRANCE/TNFSF11/RANK L Antibody

Monoclonal Mouse IgG₁ Clone # 175707

Catalog Number: MAB6262

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human TRANCE/TNFSF11/RANK L in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 175707
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TRANCE/TNFSF11/RANK L Gly64-Asp245 Accession # AAC51762
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

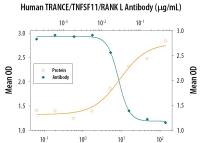
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

Neutralization

Measured by its ability to neutralize TRANCE/TNFSF11/RANK L-induced osteoclast-like cell formation in the RAW 264.7 mouse monocyte/macrophage cell line. Nakagawa, N. *et al.* (1998) Biochim. Biophys. Res. Commun. **253**:395. The Neutralization Dose (ND₅₀) is typically 0.01-0.04 μg/mL in the presence of 30 ng/mL Recombinant Human TRANCE/TNFSF11/RANK L.

DATA

Neutralization



Recombinant Human TRANCE/TNFSF11/RANK L (ng/mL)

Osteoclast-Like Cell Formation Induced by TRANCE/TNFSF11/RANK L and Neutralization by Human TRANCE/TNFSF11/RANK L Antibody. In the presence of Recombinant Mouse M-CSF (20 ng/mL, Catalog # 416-ML), Recombinant Human TRANCE/TNFSF11/RANK L (Catalog # 390-TN) induces osteoclast-like cell formation in the RAW 264.7 mouse monocyte/macrophage cell line in a dose-dependent manner (orange line), as measured by TRAP (tartrate-resistant acid phosphatase) activity in cell lysates. Under these conditions, osteoclast-like cell formation elicited by Recombinant Human TRANCE/TNFSF11/RANK L (30 ng/mL) is neutralized (green line) by increasing concentrations of Mouse Anti-Human TRANCE/ TNFSF11/RANK L Monoclonal Antibody (Catalog # MAB6262). The ND₅₀ is typically 0.01-0.04 µg/mL.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution

BACKGROUND

TRANCE, also known as RANK ligand, is a type II membrane protein belonging to the tumor necrosis factor superfamily and has been designated TNFSF11

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