

Anti-Human/Mouse TREM-2-160Gd

Catalog: 3160023B

Clone: 237920

Package size: 100 tests

Isotype: Rat IgG2b

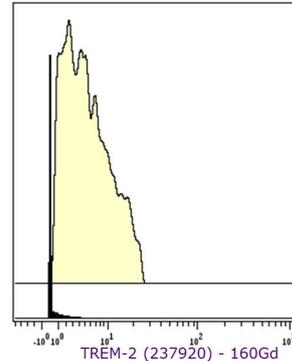
Storage: Store product at 4 °C. Do not freeze.

Formulation: Antibody stabilizer with 0.05% sodium azide

Technical Information

Validation: Each lot of conjugated antibody is quality control-tested by CyTOF[®] analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended usage: The suggested use is 1 µL for up to 3 × 10⁶ live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse J774A.1 macrophage cells (top) or Chinese hamster ovary CHO cells (bottom) were stained with 160Gd-anti-TREM-2 (237920). Total viable cells are displayed in the analysis.

Description

TREM-2 is a 26 kDa transmembrane glycoprotein belonging to the Ig superfamily. It is expressed on cells of the myeloid lineage, including immature monocyte-derived dendritic cells. TREM-2 associates with the adapter protein DAP12, which triggers downstream signaling responses, resulting in immune responses such as phagocytosis and the production of constitutive inflammatory cytokines in macrophages.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81 (2009): 6,813–22.

Ornatsky, O. I., et al. Highly Multiparametric Analysis by Mass Cytometry. *Journal of Immunological Methods* 361 (2010): 1–20.

For technical support visit fluidigm.com/support.

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