

Anti-Mouse/Rat CD40-161Dy

Catalog: 3161020B

Clone: HM40-3

Package Size: 100 tests

Isotype: Other

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

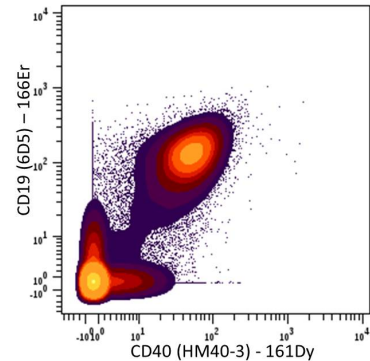
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Rat, Mouse,

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 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse splenocytes stained with 166Er-anti-CD19 (6D5) and 161Dy-anti-CD40 (HM40-3).

Description

Anti-Rat/Mouse, Hamster IgM CD40, also known as BP50, is a 48 kDa type I glycoprotein and a member of the TNFR superfamily. CD40 has been reported to be involved in B cell differentiation, costimulation, isotype class-switching, and protection of B cells from apoptosis and is important for T cell-B cell interactions. The ligand of CD40 is CD154, which is expressed on activated T cells. CD40 is primarily expressed on B cells, macrophages, follicular dendritic cells, endothelial cells, fibroblasts, and at low levels on plasma cells.

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* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

For technical support visit fluidigm.com/support

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