

Anti-Human/Mouse CD44-162Dy

Catalog: 3162030B

Package size: 100 tests

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

Cross-reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Mouse, Human, Bovine, Canine, Porcine, Equine, Feline

Clone: IM7

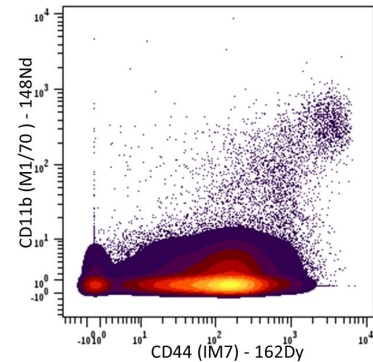
Isotype: Rat IgG2b

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 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 148Nd-anti-CD11b (M1/70) and 162Dy-anti-CD44 (IM7). Total viable cells are displayed in the analysis.

Description

CD44, also known as Hermes, Pgp1, H-CAM or HUTCH, is a cell surface glycoprotein. It is involved in a variety of cellular functions, including cell-to-cell interactions, adhesion, homing and migration, as well as being a receptor for hyaluronic acid. CD44 is expressed on a number of cell types including leukocytes, endothelial cells, hepatocytes and mesenchymal cells and has been reported to be a marker for memory cell subsets.

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.

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