

Anti-Mouse CD9-158Gd

Catalog #: 3158009B

Package Size: 100 tests

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

Cross Reactivity: Mouse

Clone: KMC8

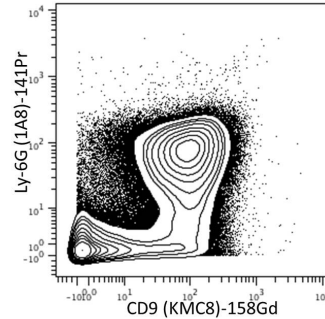
Isotype: Rat IgG2a

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.



C57BL/6 mouse bone marrow cells stained with 141Pr-anti-Ly-6G (1A8) and 158Gd-anti-CD9 (KMC8).

Description

CD9 is a 24 kDa surface glycoprotein belonging to the tetraspanin (TM4SF) family which is characterized by four transmembrane-spanning domains and two extracellular domains. It is known to play a role in platelet aggregation. CD9 is expressed in platelets, eosinophils, basophils, pre-B cells, activated T cells and neural cell lines. Furthermore, CD9 is expressed in oocytes, and CD9-deficiency results in sterility caused by defective gamete fusion.

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.

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