

Anti-Mouse CD43-146Nd

Catalog #: 3146009B

Package Size: 100 tests

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

Cross Reactivity: Mouse

Clone: S11

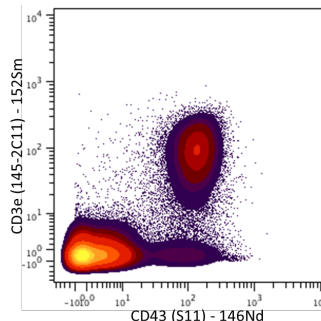
Isotype: Rat IgG2b

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.



C57BL/6 mouse splenocytes stained with 152Sm-anti-CD3e (145-2C11) and 146Nd-anti- CD43 (S11).

Description

CD43, also known as Leukosialin, is a highly glycosylated 125 kDa type I transmembrane protein with a mucin-like structure expressed in all immune cells, except naïve B lymphocytes. Long considered to be exclusively expressed in cells from the hematopoietic and immune systems, recent reports underscore a role for CD43 in non-immune cells including tumor cells as well as in rat kidney and brain epithelium. CD43 is reported to bind to CD54 and play a role in adhesion and B cell survival. Studies of CD43-deficient mice indicate that CD43 participates in the negative regulation of T-cell activation and adhesion.

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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