

Anti-Mouse CD45.1-153Eu

Catalog #: 3153002B

Package Size: 100 tests

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

Cross Reactivity: Mouse

Clone: A20

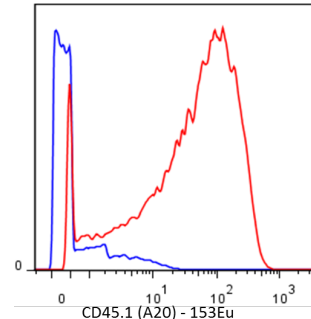
Isotype: Mouse IgG2a

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.



NOD (red) and C57BL/6 (blue) mouse splenocytes stained with 153Eu-anti-CD45.1 (A20).

Description

CD45, also known as leukocyte common antigen (LCA) and T200, is a type I transmembrane glycoprotein. It is expressed on the plasma membrane of all hematopoietic cells, except mature red blood cells and platelets. It's intracellular domain is a tyrosine phosphatase that serves to regulate signal transduction in most hematopoietic cells. Clone A20 recognizes only the CD45.1 isoform of CD45 which is specific to certain mouse genetic backgrounds.

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.

Contact Information:

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