

Anti-Mouse I-Ad-160Gd

Catalog: 3160021B

Package size: 100 tests

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

Clone: 39-10-8

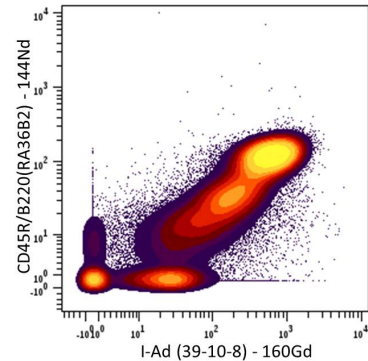
Isotype: Mouse Other

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 3×10^6 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 ¹⁴⁴Nd-Anti-CD45R/B220 (RA36B2) and 160Gd-anti-I-Ad (39-10-8). Total viable cells are displayed in the analysis.

Description

The 39-10-8 antibody reacts with the I-Ad MHC class II alloantigen. These class II molecules are expressed on antigen-presenting cells (including B cells) and a subset of T cells from H-2d bearing mice such as Balb/c and DBA/2. I-Ad is involved in antigen presentation to T cells expressing CD3/TCR and CD4 proteins. The 39-10-8 antibody does not cross-react with other haplotypes (a, b, k, p, q, s), but recognizes the g7 haplotype.

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.

For technical support visit fluidigm.com/support.

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