

PE anti-mouse I-A^d Recombinant Antibody

Catalog# / Size	166905 / 25 µg 166906 / 100 µg
Clone	39-10-8.RecM1
Regulatory Status	RUO
Other Names	MHC class II
Isotype	Mouse IgG1, κ
Description	The I-A ^d MHC class II alloantigen is expressed on antigen presenting cells (including B cells) and a subset of T cells from H-2 ^d bearing mouse strains. It is involved in antigen presentation to T cells expressing CD3/TCR and CD4 proteins.

Product Details

Verified Reactivity	Mouse
Antibody Type	Recombinant
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.125 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	Does not cross-react with other haplotypes (e.g., a, b, k, p, q, s).
RRID	AB_3720534 (BioLegend Cat. No. 166905) AB_3720534 (BioLegend Cat. No. 166906)

Antigen Details

Structure	MHC class II
Distribution	Expressed on B cell and activated T cells, antigen presenting cells of H-2 ^d mice
Function	Antigen presentation
Ligand/Receptor	CD3/TCR, CD4
Cell Type	Antigen-presenting cells, B cells, T cells, Tregs

Biology Area Immunology, Innate Immunity

Molecular Family MHC Antigens

Antigen References 1. Watts C. 1997. *Annu Rev Immunol.* 15:821-50.

Gene ID [14961](#)

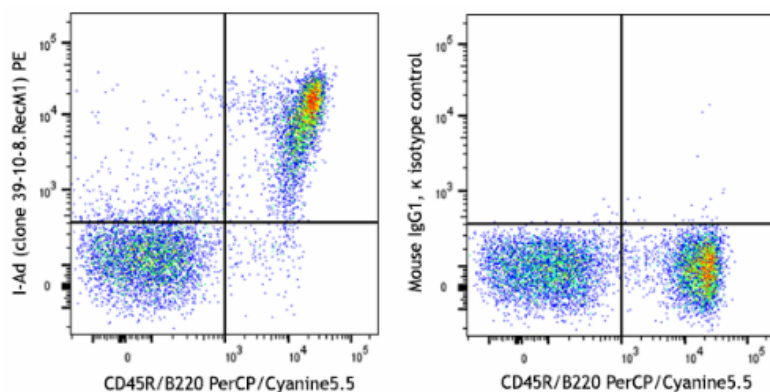
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse I-A^d Recombinant Antibody, FITC anti-mouse I-A^d Recombinant Antibody, PE anti-mouse I-A^d Recombinant Antibody

Product Data



BALB/c mouse splenocytes were stained with anti-mouse/human CD45R/B220 (clone RA3-6B2) PerCP/Cyanine5.5 and anti-mouse I-A^d recombinant (clone 39-10-8.RecM1) PE (left) or mouse IgG1, κ PE isotype control (right).

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8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587