

ARG21056 anti-MHC Class II antibody [NIMR-4]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [NIMR-4] recognizes MHC Class II
Tested Reactivity	Ms
Tested Application	FACS, ICC/IF, IHC-Fr
Specificity	Mouse MHC Class II. The clone NIMR-4 reacts specifically with a non-polymorphic I-A-encoded epitope on MHC Class II antigens. Class II antigens are predominantly expressed on antigen-presenting cells including B lymphocytes, macrophages, dendritic cells, and certain epithelial cells.
Host	Rat
Clonality	Monoclonal
Clone	NIMR-4
Isotype	IgG2b, kappa
Target Name	MHC Class II
Species	Mouse
Conjugation	Un-conjugated
Alternate Names	A1323765; H-2Ea; MHC-H2-Ea; H2-Ea; I-Ealpha; H-2 class II histocompatibility antigen, E-U alpha chain; Ia3; E-alpha-f; Ia-3

Application Instructions

Application table	Application	Dilution
	FACS	< 1 µg/10 ⁶ cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Buffer	BBS (pH 8.2)
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Database links

[GeneID: 100504404 Mouse](#)

[Swiss-port # P14439 Mouse](#)

Gene Symbol

H2-Ea-ps

Gene Full Name

histocompatibility 2, class II antigen E alpha, pseudogene

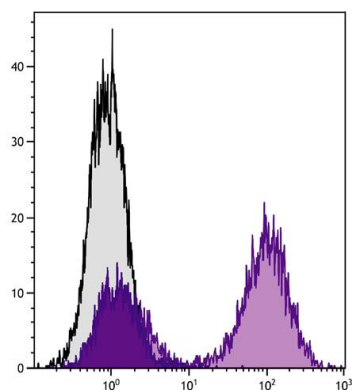
Background

This locus belongs to the class II major histocompatibility complex (MHC) family of genes, which encode immune response (Ia) antigens that function in the T-cell-dependent immune response. This family member has multiple haplotypes, some of which result in the production of an E-alpha subunit that combines with an E-beta subunit to form a functional E complex at the cell surface. Other haplotypes, including that of the reference genome allele, contain mutations and they thus represent polymorphic pseudogenes that do not produce functional products. These mutations include frameshifting indels, nonsense mutations, and deletions of larger regions. The reference genome haplotype contains a deletion at the 5' end of the gene, including the core promoter region and the transcription start site, and therefore no transcripts result from this haplotype. [provided by RefSeq, Aug 2011]

Calculated Mw

29 kDa

Images



ARG21056 anti-MHC Class II antibody [NIMR-4] FACS image

Flow Cytometry: BALB/c Mouse splenocytes stained with ARG21056 anti-MHC Class II antibody [NIMR-4] followed by Mouse anti-Rat IgG2b antibody (Alexa Fluor® 488).