

Product Datasheet

MHC class II (I-A/I-E) Antibody (M5/114.15.2) [Biotin] NBP1-43552-0.05mg

Unit Size: 0.05 mg

Store at 4C in the dark.

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NBP1-43552-0.05mg

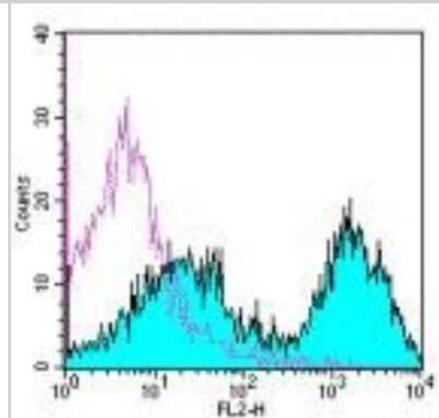
MHC class II (I-A/I-E) Antibody (M5/114.15.2) [Biotin]

Product Information	
Unit Size	0.05 mg
Concentration	0.5 mg/ml
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	M5/114.15.2
Preservative	0.09% Sodium Azide
Isotype	IgG2b Kappa
Conjugate	Biotin
Purity	Protein A or G purified
Buffer	PBS (pH 7.2) with 0.1% gelatin
Product Description	
Host	Rat
Gene ID	100504404
Gene Symbol	H2-Ea-ps
Species	Human, Mouse
Reactivity Notes	Use in Human reported in scientific literature (PMID:29990503).
Specificity/Sensitivity	The monoclonal antibody reacts with the mouse major histocompatibility complex class II, both I-A and I-E subregion-encoded glycoproteins (I-A b, I-A d, I-A q, I-E d, I-E k, not I-A f, I-A k, or I-A s). It detects a polymorphic determinant present on B cells, monocytes, macrophages, dendritic cells, and activated T lymphocytes from mice carrying the H-2 b, H-2 d, H-2 q, H-2 p, H-2 r and H-2 u but not from mice carrying the H-2 s or H-2 f haplotypes. The M5/114 mAb is reported to inhibit I-A-restricted T cell responses of the H-2 b, H-2 d, H-2 q, H-2 u but not H-2 f, H-2 k, or H-2 s haplotypes.
Immunogen	The immunogen for this antibody was MHC Class II.
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500
Application Notes	The M5/114.15.2 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions and can be used at less than or equal to 0.125 ug per test. Cell number should be determined empirically but can range from 10 ⁵ to 10 ⁸ cells/test.



Images

Flow Cytometry: MHC Class II Antibody (M5/114.15.2) [Biotin] [NBP1-43552] - Staining of C57BL/6 splenocytes with 0.015 ug of Rat IgG2b K Isotype Control Biotin (open histogram) or 0.015 ug of Anti-Mouse MHC Class II (I-A/I-E) Biotin followed by Streptavidin PE (filled histogram). Total viable cells were used for analysis.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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