

# Product Datasheet

## MHC class II (I-A/I-E) Antibody (M5/114.15.2) [Allophycocyanin] NBP1-42997-0.1mg

Unit Size: 0.1 mg

Store at 4C in the dark.

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**NBP1-42997-0.1mg**

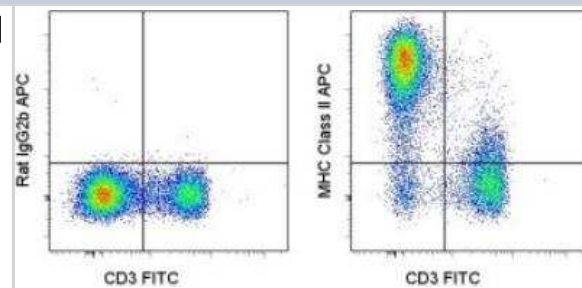
MHC class II (I-A/I-E) Antibody (M5/114.15.2) [Allophycocyanin]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	M5/114.15.2
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG2b Kappa
<b>Conjugate</b>	Allophycocyanin
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS (pH 7.2) with 0.1% gelatin
<b>Product Description</b>	
<b>Host</b>	Rat
<b>Gene ID</b>	100504404
<b>Gene Symbol</b>	H2-Ea
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Use in Human reported in scientific literature (PMID:29990503).
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	The immunogen for this antibody was MHC Class II.
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry
<b>Recommended Dilutions</b>	Flow Cytometry 1:10-1:1000
<b>Application Notes</b>	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 <sup>5</sup> to 10 <sup>8</sup> cells/test.



## Images

Flow Cytometry: MHC Class II Antibody (M5/114.15.2) [Allophycocyanin] [NBP1-42997] - Staining of C57BL/6 splenocytes with Anti-Mouse CD3e FITC and 0.015 micrograms of Rat IgG2b ? Isotype Control APC (left) or 0.015 micrograms of Anti-Mouse MHC Class II (I-A/I-E) APC (right). Cells in the lymphocyte gate were used for analysis.





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### **Products Related to NBP1-42997-0.1mg**

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NBP1-43323APC	Rat IgG2b Kappa Light Chain Isotype Control (149/10H5) [Allophycocyanin]
210-TA-005	TNF-alpha [Unconjugated]
285-IF-100	IFN-gamma [Unconjugated]
202-IL-010	IL-2 [Unconjugated]

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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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