

# Product Datasheet

## **MHC class II (I-A/I-E) Antibody (M5/114.15.2) [Allophycocyanin/Cy7] NBP1-43312APCCY7**

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP1-43312APCCY7**

MHC class II (I-A/I-E) Antibody (M5/114.15.2) [Allophycocyanin/Cy7]

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 0.1 ml   |
| Concentration               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.   |
| Storage                     | Store at 4C in the dark. Do not freeze.  |
| Clonality                   | Monoclonal   |
| Clone                       | M5/114.15.2  |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG2b Kappa  |
| Conjugate                   | Allophycocyanin/Cy7  |
| Purity                      | Protein A or G purified  |
| Buffer                      | PBS  |
| Product Description         |  |
| Host                        | Rat  |
| Gene ID                     | 100504404  |
| Gene Symbol                 | H2-Ea  |
| 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   |
| Recommended Dilutions       | Flow Cytometry   |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> if you have any questions.   |





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### **Products Related to NBP1-43312APCCY7**

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|            |                          |
|------------|--------------------------|
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 285-IF-100 | IFN-gamma [Unconjugated] |
| 202-IL-010 | IL-2 [Unconjugated]      |
| NBP1-19371 | CD4 Antibody - BSA Free  |

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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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