# **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.

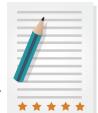
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### NBP1-43312APCCY7

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

| MHC class II (I-A/I-E) Antibody (M5/114.15.2) [Aliophycocyanin/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 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  |  |
| <b>Recommended Dilutions</b>  | Flow Cytometry  |  |
| Application Notes   | Optimal dilution of this antibody should be experimentally determined. For<br>optimal results using our Tandem dyes, please avoid prolonged exposure to light<br>or extreme temperature fluctuations. These can lead to irreversible degradation<br>or decoupling. When staining intracellular targets, specific attention to the fixation<br>and permeabilization steps in your flow protocol may be required. Please contact<br>our technical support team at technical@novusbio.com if you have any<br>questions   |  |

questions.





#### Novus Biologicals USA

10730 E. Briarwood Avenue Centennial, CO 80112 USA Phone: 303.730.1950 Toll Free: 1.888.506.6887 Fax: 303.730.1966 nb-customerservice@bio-techne.com

#### **Bio-Techne Canada**

21 Canmotor Ave Toronto, ON M8Z 4E6 Canada Phone: 905.827.6400 Toll Free: 855.668.8722 Fax: 905.827.6402 canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB, United Kingdom Phone: (44) (0) 1235 529449 Free Phone: 0800 37 34 15 Fax: (44) (0) 1235 533420 info.EMEA@bio-techne.com

#### **General Contact Information**

www.novusbio.com Technical Support: nb-technical@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

#### Products Related to NBP1-43312APCCY7

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

#### 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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