

# Product Datasheet

## MHC Class I Antibody (MEM-E/06) [Alexa Fluor® 350] NB500-307AF350

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB500-307AF350**

MHC Class I Antibody (MEM-E/06) [Alexa Fluor® 350]

| <b>Product Information</b>     |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 0.1 ml   |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                 | Store at 4C in the dark.   |
| <b>Clonality</b>               | Monoclonal   |
| <b>Clone</b>                   | MEM-E/06   |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG1   |
| <b>Conjugate</b>               | Alexa Fluor 350  |
| <b>Purity</b>                  | Protein A purified   |
| <b>Buffer</b>                  | 50mM Sodium Borate   |
| <b>Product Description</b>     |  |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 3133   |
| <b>Gene Symbol</b>             | HLA-E  |
| <b>Species</b>                 | Human, Primate   |
| <b>Specificity/Sensitivity</b> | This antibody (clone MEM-E/06) recognized native surface-expressed HLA-E, but not denaturated heavy chain of HLA-E. HLA-E belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on many types of the human cells. Some resultss showed that this antibody cross-reacts with some classical MHC Class I molecules (HLA-A3, -A11, -B7). However, others have confirmed that this antibody exhibits much broader cross-reactivity classical MHC Class I antigens, namely with HLA-A24, -A32, -B8, -B15, -B27, -B35, -B44, -B54, -C3, -C4, -C5, -C7.   |
| <b>Immunogen</b>               | Bacterially expressed recombinant full length protein refolded with beta2-microglobulin and peptide (Human).   |
| <b>Notes</b>                   | Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a> . This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet. |



**Product Application Details**

|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready |
| <b>Recommended Dilutions</b> | Flow Cytometry, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Paraffin, CyTOF-ready |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.                                |

**Images**

MHC Class I Antibody (MEM-E/06) [Alexa Fluor® 350] [NB500-307AF350] - Vial of Alexa Fluor 350 conjugated antibody. Alexa Fluor 350 is optimally excited at 346 nm by the UV laser (350 or 355 nm) and has an emission maximum of 442 nm.



Alexa Fluor® 350

| LASER (nm)          | FILTER            |
|---------------------|-------------------|
| UV (350)            | 450/45            |
| EXCITATION MAX (nm) | EMISSION MAX (nm) |
| 346                 | 442               |



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### **Products Related to NB500-307AF350**

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|                 |   |
|-----------------|---|
| NBP1-97005AF350 | Mouse IgG1 Isotype Control (MG1) [Alexa Fluor® 350]   |
| 210-TA-005      | TNF-alpha [Unconjugated]                              |
| H00003133-T01   | MHC Class I 293T Cell Transient Overexpression Lysate |
| 6507-IL-010/CF  | IL-4 [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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