

# Product Datasheet

## MHC Class I Antibody (ER-HR52) [Alexa Fluor® 700] NB100-64952AF700

Unit Size: 0.125 ml

Store at 4C in the dark.

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**NB100-64952AF700**

MHC Class I Antibody (ER-HR52) [Alexa Fluor® 700]

Product Information	
Unit Size	0.125 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	ER-HR52
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Conjugate	Alexa Fluor 700
Purity	Protein G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Rat
Gene ID	3133
Gene Symbol	HLA-E
Species	Mouse
Specificity/Sensitivity	NB100-64952 recognizes a polymorphic determinant on the murine MHC (major histocompatibility complex) class I molecule. In the mouse, the MHC class I molecule is expressed on the cell surface of all nucleated cells but expression levels may differ according to cell type. Clone ER-MP52 specifically recognizes mouse strains with the haplotypes H-2b,w16 and H-2d,p,q. Mouse strains with the haplotypes H-2f,r,s,w17,w23,w27 show weak reactivity with this antibody.
Immunogen	Adherent FI (CBAXBL) bone marrow stromal cells
Notes	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	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry



<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NB100-64952AF700**

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IC006N	Rat IgG2a Isotype Control (54447) [Alexa Fluor® 700]
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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