

Product Datasheet

MHC Class I Antibody (ER-HR52) - BSA Free NB100-64952

Unit Size: 0.125 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-64952

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-64952



NB100-64952

MHC Class I Antibody (ER-HR52) - BSA Free

Product Information	
Unit Size	0.125 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	ER-HR52
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS

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

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Flow Cytometry 1:50-1:200, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 29195074).

Publications

Bao, Y;Qiao, Y;Choi, JE;Zhang, Y;Mannan, R;Cheng, C;He, T;Zheng, Y;Yu, J;Gondal, M;Cruz, G;Grove, S;Cao, X;Su, F;Wang, R;Chang, Y;Kryczek, I;Cieslik, M;Green, MD;Zou, W;Chinnaiyan, AM; Targeting the lipid kinase PIKfyve upregulates surface expression of MHC class I to augment cancer immunotherapy Proceedings of the National Academy of Sciences of the United States of America 2023-12-05 [PMID: 38011559]

Torrente D, Su E, Schielke G et al. Tissue Plasminogen Activator Interaction with NMDAR1 Promotes Dopaminergic Neuron Degeneration in a Model of A-Synuclein-Mediated Neurotoxicity SSRN Electronic Journal 2022-03-22

Kortlever Roderik M, Sodir Nicole M, Wilson Catherine H et al. Myc CoopeRates with Ras by Programming Inflammation and Immune Suppression. Cell 2017-01-01 [PMID: 29195074] (IF/IHC, ICC/IF, Mouse)





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@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-64952

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)
210-TA-005	TNF-alpha [Unconjugated]

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-64952

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

