

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.

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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 | |
|-------------------------|--|
| Description | Novus Biologicals Rat MHC Class I Antibody (ER-HR52) - BSA Free (NB100-64952) is a monoclonal antibody validated for use in IHC, Flow and ICC/IF. Anti-MHC Class I Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| 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)





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Products Related to NB100-64952

| | |
|------------------|--|
| HAF005 | Goat anti-Rat IgG Secondary Antibody [HRP] |
| NB7115 | Goat anti-Rat IgG (H+L) Secondary Antibody [HRP] |
| 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.

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