

Product Datasheet

MHC Class I Antibody (ER-MP42) - BSA Free NB120-15680

Unit Size: 0.05 mg

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

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Product Information	
Unit Size	0.05 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-MP42
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	NB120-15680 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-MP42 specifically recognizes mouse strains with the haplotypes H-2Kv, H-2Dd and H-2k,q,s. Mouse strains with the haplotypes H-2p,r,w7,w22 show weak reactivity with this antibody.
Immunogen	Balb/c macrophage precursor cell hybrids
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot, Flow Cytometry 1:100-1:200, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Use in Western blot reported in scientific literature (PMID: 29844422).

Publications

Song H, Tian X, Liu D et al. CREG1 improves the capacity of the skeletal muscle response to exercise endurance via modulation of mitophagy Autophagy 2021-03-17 [PMID: 33726618]

Lim D, Kim KS, Jeong JH et al. The hepcidin-ferroportin axis controls the iron content of Salmonella-containing vacuoles in macrophages Nat Commun 2018-05-29 [PMID: 29844422] (WB, Mouse)

Freyschmidt-Paul P, Ziegler A, McElwee KJ et al. Treatment of alopecia areata in C3H/HeJ mice with the topical immunosuppressant FK506 (Tacrolimus). Eur J Dermatol;11(5):405-9. 2001-09-01 [PMID: 11525945] (IF/IHC, Mouse)





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Products Related to NB120-15680

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.

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