Product Datasheet

MHC Class I Antibody (2G5) - BSA Free
NB100-65938

Unit Size: 0.125 mg

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

Publications: 3

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Updated 2/21/2025 v.20.1

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MHC Class I Antibody (2G5) - 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	2G5
Preservative	0.09% Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS

Product Description

Host	Mouse
Gene ID	3133
Gene Symbol	HLA-E
Species	Mouse
Reactivity Notes	Predicted cross-reactivities: Sheep, Rat, Human, Guinea Pig, Hamster, Bovine, Porcine Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	NB100-65938 recognizes a monomorphic epitope on the mouse MHC class I antigen. The epitope recognized by clone 2G5 is conformation dependent and is reported to be phylogenetically conserved. Reactivity has been observed with some canine samples suggesting that this antibody may recognize a polymorphic epitope of canine MHC class 1.
Immunogen	Purified H-2Kb and H-2Db MHC-I molecules

Product Application Details

Applications	Flow Cytometry, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1:10-1:25, Immunoprecipitation 1:10-1:500
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 10^6 cells in 10 ul.

Publications

Huang K, Chiang S, Yang P et al. Immunogenic Cell Death by the Novel Topoisomerase I Inhibitor TLC388 Enhances the Therapeutic Efficacy of Radiotherapy Cancers 2021-03-11 [PMID: 33799527] (FLOW, Mouse, Human)

Del Molino Del Barrio I, Wilkins GC, Meeson A et al. Breast Cancer: An Examination of the Potential of ACKR3 to Modify the Response of CXCR4 to CXCL12. Int J Mol Sci. 2018-11-14 [PMID: 30441765] (FLOW, Chinese Hamster)

Jung M, Shin MK, Cha SB et al. Supplementation of dietary germanium biotite enhances induction of the immune responses by foot-and-mouth disease vaccine in cattle BMC Vet Res 2014-08-12 [PMID: 25255918] (FLOW, Bovine)

Details:
This citation used the FITC version of this antibody.

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Products Related to NB100-65938

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NB100-65938AF488	MHC Class I Antibody (2G5) [Alexa Fluor® 488]

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

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