

Product Datasheet

HLA G Antibody (MEM-G/9) - BSA Free NB500-314

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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Publications: 4

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NB500-314

HLA G Antibody (MEM-G/9) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MEM-G/9
Preservative	15mM Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	Phosphate buffered saline (PBS), pH 7.4

Product Description	
Description	Novus Biologicals Mouse HLA G Antibody (MEM-G/9) - BSA Free (NB500-314) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. Anti-HLA G Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3135
Gene Symbol	HLA-G
Species	Human, Mouse (Negative)
Specificity/Sensitivity	The antibody MEM-G/9 reacts with native form of human HLA-G1 on the cell surface as well as with soluble HLA-G5 isoform in its beta2-microglobulin associated form. Reactivity with HLA-G3 was also reported. The antibody MEM-G/9 is standard reagent thoroughly validated during 3rd International Conference on HLA-G (Paris, 2003).
Immunogen	Recombinant human HLA G Antibody (MEM-G/9) refolded with beta2-microglobulin and peptide (NM_002127.5)

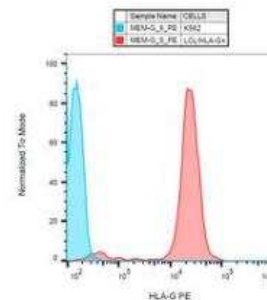
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 0.3-4 ug/ml, ELISA 1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 2-5 ug/ml, Immunoprecipitation 1:50, Immunohistochemistry-Frozen 1:200, CyTOF-ready
Application Notes	ELISA: The antibody MEM-G/9 has been tested as the capture antibody in a sandwich ELISA for analysis of human HLA-G in combination with antibody B2M-01 or with antibody W6/32. Coating antibody (10 ug/ml), detection antibody (biotin or peroxidase conjugate, 1 ug/ml). Purity is > 95% (by SDS-PAGE). Use in western blot reported in scientific literature (PMID 24054889). This antibody is CyTOF ready.



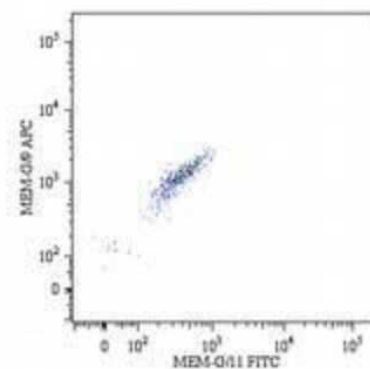
Images

Immunocytochemistry/Immunofluorescence: HLA G Antibody (MEM-G/9) [NB500-314] - Staining of HLA-G1 transfectants (LCL-HLA-G1) using Alexa Fluor 488 conjugated anti-human HLA-G (MEM-G/9). ✖

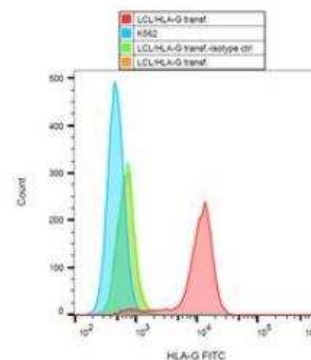
Flow Cytometry: HLA G Antibody (MEM-G/9) [NB500-314] - Surface staining of HLA-G1 transfectants (LCL-HLA-G1) using anti-HLA-G (MEM-G/9) PE.



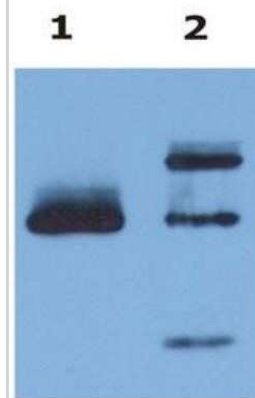
Flow Cytometry: HLA G Antibody (MEM-G/9) [NB500-314] - Analysis of APC conjugate of NB500-314. Double surface staining of HLA-G1 transfectants (viable cells gate) using anti-human HLA-G (MEM-G/9) APC and anti-human HLA-G (MEM-G/11) FITC.



Flow Cytometry: HLA G Antibody (MEM-G/9) [NB500-314] - Surface staining of HLA-G1 transfectants (LCL-HLA-G1) using anti-HLA-G (MEM-G/9) FITC.



Immunoprecipitation: HLA G Antibody (MEM-G/9) [NB500-314] - Immunoprecipitation of HLA-G from HLA-G1 transfected lysates (LCL-HLA-G1) by anti-human HLA-G (MEM-G/9, NB500-314) and protein G. HLA-G was detected by anti-human HLA-G (4H84) and goat anti-mouse HRP in cell lysate (Lanes 1) and in the immunoprecipitate (Lanes 2).



Publications

Wei Y, Xiao L, Ma L et al. Protocol to derive human trophoblast stem cells directly from primed pluripotent stem cells STAR protocols 2022-09-16 [PMID: 36042882] (ICC/IF, Human)

Details:

Dilution used for ICC 1:500

Friedrich M, Vaxevanis CK, Biehl K et al. Targeting the coding sequence: opposing roles in regulating classical and non-classical MHC class I molecules by miR-16 and miR-744 J Immunother Cancer 2020-06-01 [PMID: 32571994] (WB, Human)

Liu X, Gu W, Li X. HLA-G regulates the invasive properties of JEG-3 choriocarcinoma cells by controlling STAT3 activation. Placenta. 2013-11-01 [PMID: 24054889] (WB, Human)

Kang HM, Kim J, Park S et al. Insulin-Secreting Cells from Human Eyelid-Derived Stem Cells Alleviate Type I Diabetes in Immunocompetent Mice. Stem Cells;27(8):1999-2008. 2009-01-01 [PMID: 19544420]



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Products Related to NB500-314

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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