

Product Datasheet

HLA G Antibody (MEM-G/4) - BSA Free NB500-533

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NB500-533

HLA G Antibody (MEM-G/4) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MEM-G/4
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	39 kDa

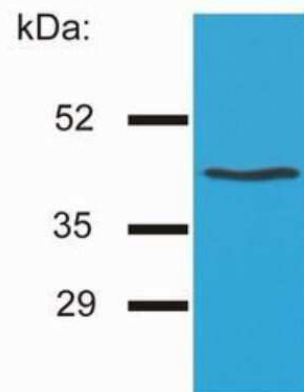
Product Description	
Host	Mouse
Gene ID	3135
Gene Symbol	HLA-G
Species	Human
Specificity/Sensitivity	The antibody MEM-G/4 reacts with denaturated HLA-G heavy chain. The recognized epitope is present only on HLA-G1, -G2 and -G5 molecules. HLA-G belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on the surface of trophoblast cells.
Immunogen	Recombinant human HLA G Antibody (MEM-G/4) denaturated heavy chain.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Application Notes	Use in IHC and Flow cytometry reported in scientific literature (PMID 24850908). Use in IHC-P reported in scientific literature (PMID: 24850908). This antibody is CyTOF ready.

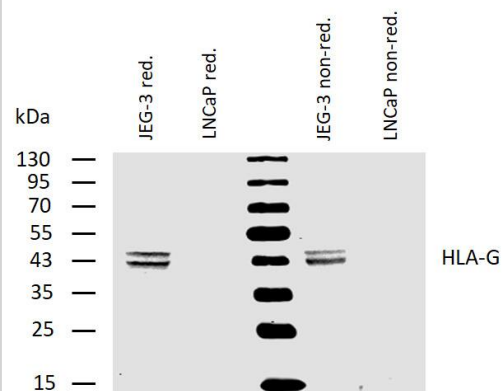


Images

Western Blot: HLA G Antibody (MEM-G/4) [NB500-533] - Analysis of HLA-G by the antibody MEM-G/4 on HLA-G1 transfectants (LCL-HLA-G1).



Analysis of human HLA-G using mouse monoclonal antibody MEM-G/4 on lysates of JEG-3 cell line and LNCaP cell line (negative control) under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse monoclonal antibody anti-HLA-G followed by IRDye800-conjugated anti-mouse secondary antibody. Specific bands were detected for HLA-G at approximately 42-46 kDa.



Publications

Velicky P, Haider S, Otti GR et al. Notch-dependent RBPJkappa inhibits proliferation of human cytotrophoblasts and their differentiation into extravillous trophoblasts. *Mol. Hum. Reprod.* 2014-05-21 [PMID: 24850908] (FLOW, IHC-P, Human)



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Products Related to NB500-533

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-61457-20ug	Recombinant Human HLA G His Protein

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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