

Product Datasheet

HLA G Antibody (5A6G7) - BSA Free NBP1-44924

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NBP1-44924

HLA G Antibody (5A6G7) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	5A6G7
Preservative	15mM Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	Phosphate buffered saline (PBS), pH 7.4
Target Molecular Weight	39 kDa

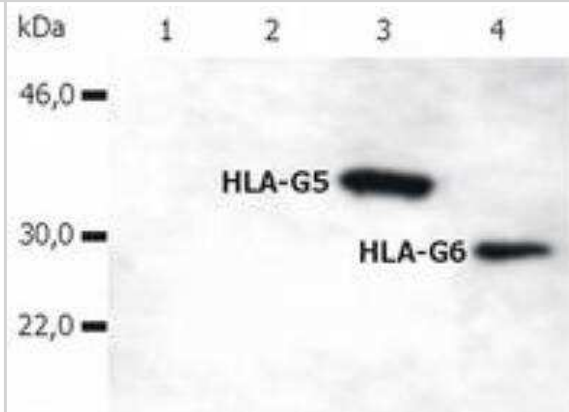
Product Description	
Description	Novus Biologicals Mouse HLA G Antibody (5A6G7) - BSA Free (NBP1-44924) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3135
Gene Symbol	HLA-G
Species	Human
Specificity/Sensitivity	The antibody 5A6G7 allows to discriminate between soluble HLA-G protein yielded by shedding from membrane-bound HLA-G forms that do not contain the intron 4-encoded epitope and soluble HLA-G5/HLA-G6 produced from intron 4-retaining alternatively spliced mRNAs. HLA-G belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on the surface of trophoblast cells.
Immunogen	C-terminal amino acid sequence (22-mer) of soluble HLA-G5 and HLA-G6 proteins coupled to ovalbumin.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1-4 ug/ml, ELISA 1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 10 ug/ml, Immunohistochemistry-Frozen 10 ug/ml, Flow (Intracellular) 1-4 ug/ml, CyTOF-ready
Application Notes	Immunohistochemistry-Frozen: positive tissue: placenta. Immunohistochemistry-Paraffin: positive tissue: placenta. ELISA: Positive control: HeLa/HLA-G5 transfectants cell lysate, HeLa/HLA-G5 cell supernatant; negative control: HeLa cell lysate. The antibody 5A6G7 has been tested as the capture antibody in a sandwich ELISA for analysis of soluble HLA-G in combination with antibody W6/32. Western blotting: Positive control: JEG-3 cell lysate, reducing conditions, 12% AA SDS-PAGE. This antibody is Cytof ready.

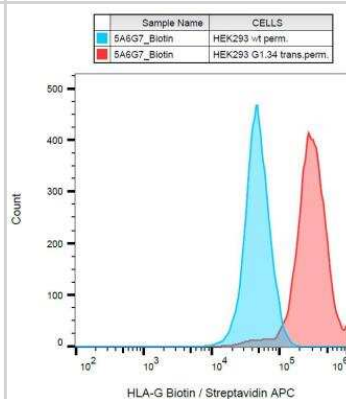


Images

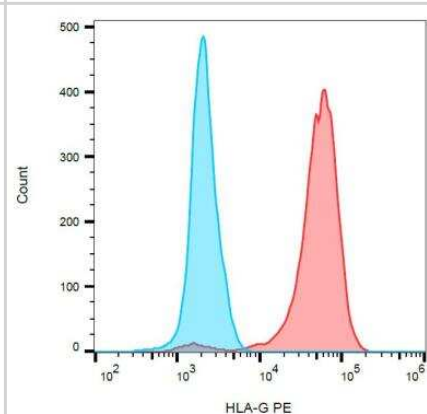
Western Blot: HLA G Antibody (5A6G7) [NBP1-44924] - Analysis of whole cell lysate of HLA-G stable transfectants (various splice variants) using anti-human HLA-G (5A6G7). Lane 1: M8 cell line transfected with empty vector Lane 2: M8 cell line transfected with HLA-G1 Lane 3: M8 cell line transfected with HLA-G5 Lane 4: M8 cell line transfected with HLA-G6



Flow Cytometry: HLA G Antibody (5A6G7) [NBP1-44924] - Staining of HLA-G in HLA-G1 transfectants with anti-HLA-G (5A6G7) biotin / streptavidin-APC.



Flow Cytometry: HLA G Antibody (5A6G7) [NBP1-44924] - Staining of HLA-G in HLA-G6 transfectants with anti-HLA-G (5A6G7) PE.





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Products Related to NBP1-44924

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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