

# 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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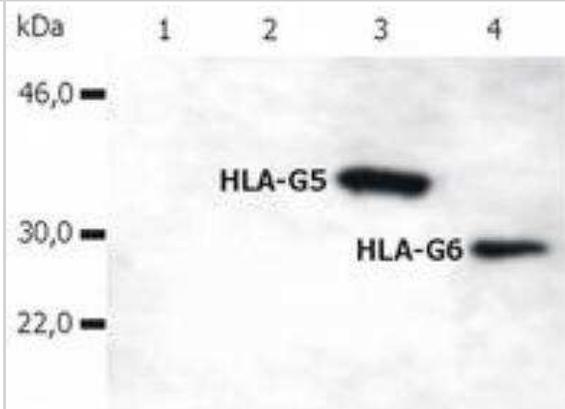
**NBP1-44924**

HLA G Antibody (5A6G7) - BSA Free

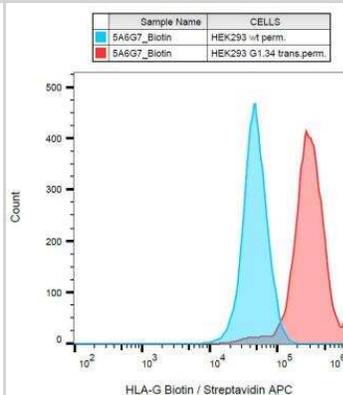
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	5A6G7
<b>Preservative</b>	0.9% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.4)
<b>Target Molecular Weight</b>	39 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	3135
<b>Gene Symbol</b>	HLA-G
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	C-terminal amino acid sequence (22-mer) of soluble HLA-G5 and HLA-G6 proteins coupled to ovalbumin.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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

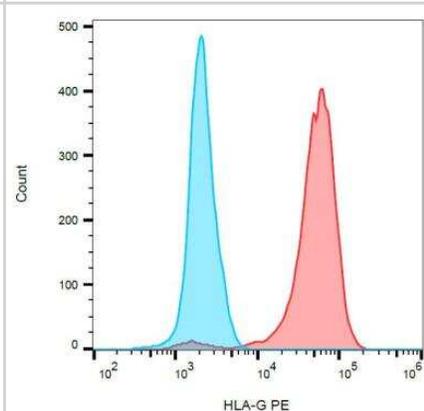
Western Blot: HLA G Antibody (5A6G7) [NBP1-44924] - Analysis of whole cell lysate of HLA-G stable transfectants (various splice variants) using anti-human HLA-G (5A6G7). Lane 1: M8 cell line transfected with empty vector Lane 2: M8 cell line transfected with HLA-G1 Lane 3: M8 cell line transfected with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

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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

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### **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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