

# Product Datasheet

## HLA G Antibody (4H84) - BSA Free NB110-55297

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NB110-55297**

HLA G Antibody (4H84) - BSA Free

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4H84
<b>Preservative</b>	15mM Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Phosphate buffered saline (PBS), pH 7.4
<b>Target Molecular Weight</b>	39 kDa

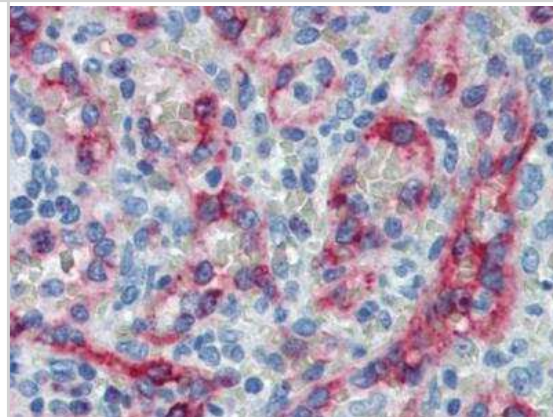
Product Description	
<b>Description</b>	Novus Biologicals Mouse HLA G Antibody (4H84) - BSA Free (NB110-55297) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. Anti-HLA G Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<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 4H84 recognizes HLA-G molecule (39 kDa). 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>	amino acids 61-83 of HLA G Antibody (4H84) of human origin.

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1-2 ug/ml, Flow Cytometry, ELISA 1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:50, Immunohistochemistry-Paraffin 10 ug/ml, Immunohistochemistry-Frozen
<b>Application Notes</b>	ELISA: The antibody 4H84 has been tested as the capture antibody in a sandwich ELISA for analysis of heavy chains of all HLA-G isoforms in combination with antibody MEM-G/1 (cat. no. NB500-613).

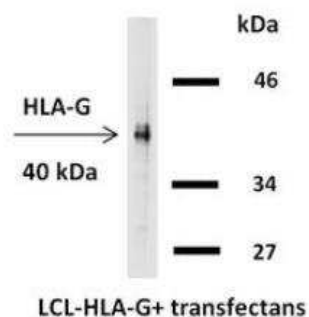


## Images

Immunohistochemistry-Paraffin: HLA G Antibody (4H84) [NB110-55297] - Staining of human spleen (paraffin sections) using anti-HLA-G (4H84).



Western Blot: HLA G Antibody (4H84) [NB110-55297] - Analysis of HLA-G in HLA-G1 transfectants (LCL-HLA-G1) by 4H84 antibody-biotin.



Western Blot: HLA G Antibody (4H84) [NB110-55297] - HLA G Antibody (4h84) [NB110-55297] - Immunoprecipitation of HLA-G from HLA-G1 transfectanted lysates (LCL-HLA-G1) by MEM-G/9 antibody and protein G. HLA-G was detected by 4H84 antibody (NB110-55297) and goat anti-mouse-HRP conjugate in cell lysate (Lane 1) and in the immunoprecipitate (Lane 2).



## Publications

Cho K, Kook H, Kang S Et al. Study of immune-tolerized cell lines and extracellular vesicles inductive environment promoting continuous expression and secretion of HLA-G from semiallograft immune tolerance during pregnancy J Extracell Vesicles 2020-09-18 [PMID: 32944184]

Details:

Citation using the Alexa Fluor 488 version of this antibody.



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### **Products Related to NB110-55297**

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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)

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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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