

# Product Datasheet

## HLA G Antibody (2A12) - BSA Free NBP1-44925

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NBP1-44925**

HLA G Antibody (2A12) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	2A12
Preservative	15mM Sodium Azide
Isotype	IgG1
Purity	Multi-step
Buffer	Phosphate buffered saline (PBS), pH 7.4

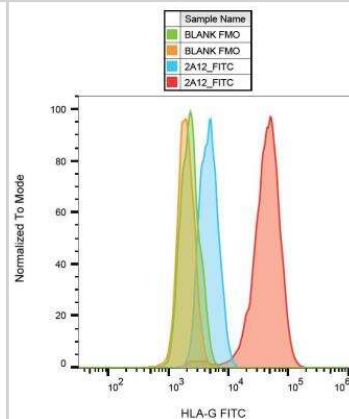
Product Description	
Description	Novus Biologicals Mouse HLA G Antibody (2A12) - BSA Free (NBP1-44925) is a monoclonal antibody validated for use in IHC, WB, ELISA and Flow. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3135
Gene Symbol	HLA-G
Species	Human
Specificity/Sensitivity	The antibody 2A12 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 (NM_002127.5).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1-4 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:200, Immunohistochemistry-Frozen 1:200, CyTOF-ready
Application Notes	Flow Cytometry: excellent for intracellular staining. This antibody is CyTOF ready.

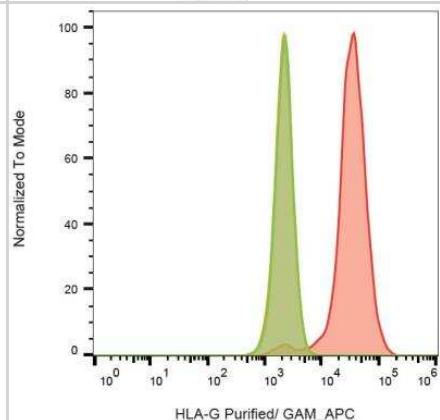


## Images

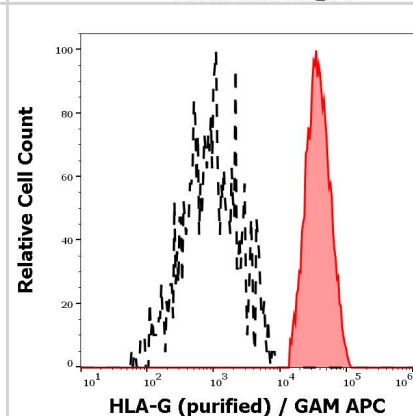
Flow Cytometry: HLA G Antibody (2A12) [NBP1-44925] - Surface staining of HLA-G (on transfected cells, red and orange) with anti-HLA-G (2A12) FITC, compared with nontransfected cells (blue, green).



Flow Cytometry: HLA G Antibody (2A12) [NBP1-44925] - Surface staining of HLA-G (on transfected cells) with anti-HLA-G (2A12) purified, GAM-APC.



Separation of HLA-G transfected HEK-293 cells (red-filled) from HLA-G negative debris (black-dashed) in Analysis (intracellular staining) of HLA-G transfected HEK-293 cells using anti-human HLA-G (2A12) purified antibody (concentration in sample 4 ug/ml) GAM APC.





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### Products Related to NBP1-44925

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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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