

Product Datasheet

HLA G Antibody (87G) - Azide and BSA Free NBP2-80772

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-80772

HLA G Antibody (87G) - Azide and BSA Free

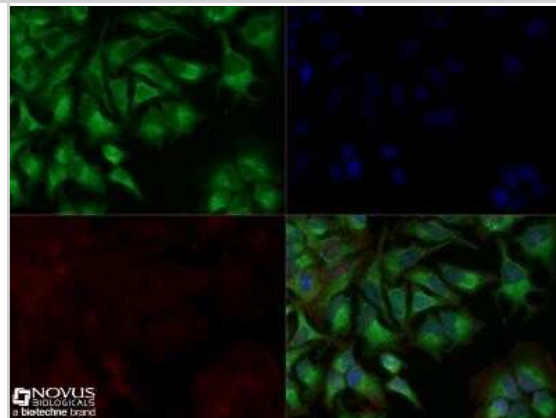
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	87G
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	39 kDa

Product Description	
Host	Mouse
Gene ID	3135
Gene Symbol	HLA-G
Species	Human
Immunogen	721.221 cells transfected with full length HLA G cDNA with high surface HLA G expression. [UniProt# P17693]

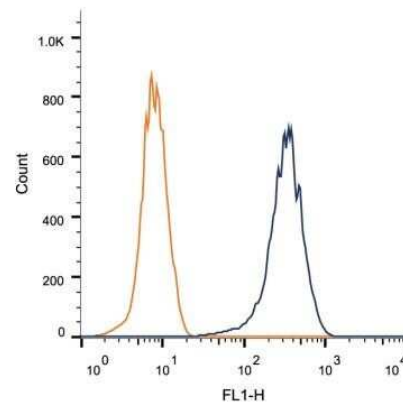
Product Application Details	
Applications	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Block/Neutralize, CyTOF-ready
Recommended Dilutions	Flow Cytometry 1 ug per million cells, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Frozen reported in scientific literature (PMID 12874228; 11726606; 10213506), CyTOF-ready, Block/Neutralize
Application Notes	The HLA G Antibody (87G) has been reported to work for Immunocytochemistry/Immunofluorescence and for blocking the interaction of HLA G with inhibitory receptors (see publications). This antibody is CyTOF ready.

Images

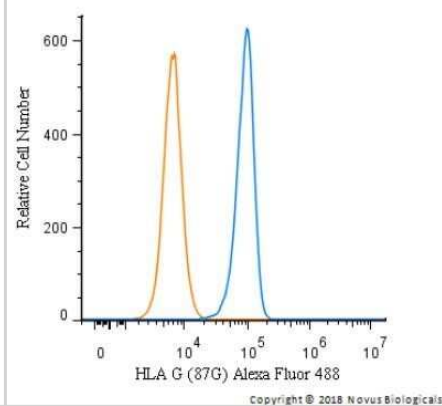
Immunocytochemistry/Immunofluorescence: HLA G Antibody (87G) - Azide and BSA Free [NBP2-80772] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti HLA G (87G) at a 1:200 dilution overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



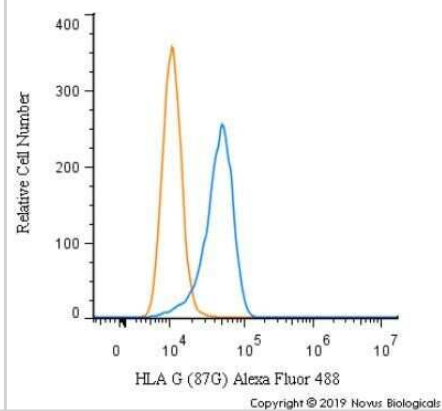
Flow Cytometry: HLA G Antibody (87G) - Azide and BSA Free [NBP2-80772] - Intracellular flow cytometric staining of 1×10^6 HEK-293 cells using HLA G antibody (dark blue) and isotype control (orange). An antibody concentration of $1 \text{ ug}/1 \times 10^6$ cells was used. Image from the standard format of this antibody.



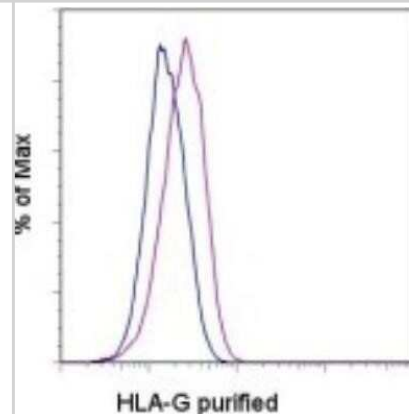
Flow Cytometry: HLA G Antibody (87G) - Azide and BSA Free [NBP2-80772] - An intracellular stain was performed on Hek293 cells with HLA G Antibody [87G] NBP1-43123AF488 (blue) and a matched isotype control (orange). Both antibodies were directly conjugated to Alexa Fluor 488. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of $5 \text{ ug}/\text{mL}$ for 30 minutes at room temperature.



Flow Cytometry: HLA G Antibody (87G) - Azide and BSA Free [NBP2-80772] - An intracellular stain was performed on HeLa cells with HLA G [87G] Antibody NBP1-43123AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of $5 \text{ ug}/\text{mL}$ for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 488.



Flow Cytometry: HLA G Antibody (87G) - Azide and BSA Free [NBP2-80772] - Staining of stimulated U937 cells with 0.25 ug of Mouse IgG2a K Isotype Control Purified (blue) or 0.25 ug of Anti-Human HLA-G Purified (purple) followed by F(ab')₂ Anti-Mouse IgG PE. Total viable cells were used for analysis. Image from the standard format of this antibody.





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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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