

# Product Datasheet

## HLA G Antibody (G233) - BSA Free NB110-55298

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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### Publications: 3

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**NB110-55298**

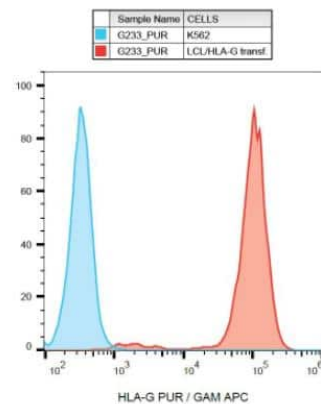
HLA G Antibody (G233) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	G233
Preservative	15mM Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	Phosphate buffered saline (PBS), pH 7.4
Product Description	
Description	Novus Biologicals Mouse HLA G Antibody (G233) - BSA Free (NB110-55298) is a monoclonal antibody validated for use in IHC, ELISA, Flow and IP. Anti-HLA G Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3135
Gene Symbol	HLA-G
Species	Human
Specificity/Sensitivity	This antibody (clone G233) recognizes several isoforms of HLA-G expressed in all populations of extravillous trophoblast (cell columns, interstitial trophoblast, endovascular trophoblast, placental bed giant cells). HLA-G belongs to the nonclassical MHC Class I molecules (MHC Class Ib). The antibody has been found not to cross-react with any other MHC Class I antigens (HLA-A, -B, -C, -E, -F).
Immunogen	HLA-A2.1/human beta2-microglobulin double transgenic mice were immunized with murine L cells transfected with both human beta2-microglobulin and HLA G Antibody (G233)
Product Application Details	
Applications	ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Flow Cytometry 1-4 ug/ml, ELISA 1:2000, Immunohistochemistry, Immunoprecipitation 1:50, Immunohistochemistry-Frozen, CyTOF-ready
Application Notes	This antibody is Cytof ready.



## Images

Flow Cytometry: HLA G Antibody (G233) [NB110-55298] - Surface staining of HLA-G in HLA-G transfectants using anti-HLA-G (G233) purified / GAM-APC.



## Publications

Crovetti B, Maktabi MA, Erfani H et al. Circulating trophoblast numbers as a potential marker for pregnancy complications Prenatal Diagnosis 2022-08-01 [PMID: 35765264]

Sheridan MA, Fernando RC, Gardner L et al. Establishment and differentiation of long-term trophoblast organoid cultures from the human placenta Nat Protoc 2020-10-01 [PMID: 32908314]

Vossaert L, Wang Q, Salman R et al. Validation Studies for Single Circulating Trophoblast Genetic Testing as a Form of Noninvasive Prenatal Diagnosis Am. J. Hum. Genet. 2019-11-26 [PMID: 31785788] (Human)

**Details:**  
The biotin conjugated of the HLA G Antibody (G233), NB110-55298, was used for trophoblast enrichment.



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### **Products Related to NB110-55298**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
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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