# Product Datasheet

## HLA G Antibody (MEM-G/4) - BSA Free
## NB500-533

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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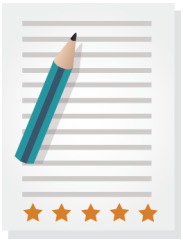
**Publications: 1**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB500-533

Updated 9/9/2025 v.20.1





# NB500-533

HLA G Antibody (MEM-G/4) - BSA Free

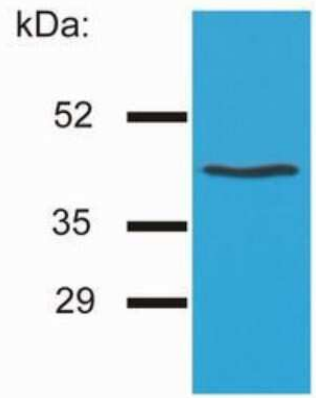
| Product Information | |
|---|---|
| **Unit Size** | 0.1 mg |
| **Concentration** | 1.0 mg/ml |
| **Storage** | Store at 4C. Do not freeze. |
| **Clonality** | Monoclonal |
| **Clone** | MEM-G/4 |
| **Preservative** | 15mM Sodium Azide |
| **Isotype** | IgG1 |
| **Purity** | Protein A purified |
| **Buffer**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

| Product Description | |
|---|---|
| **Description** | Novus Biologicals Mouse HLA G Antibody (MEM-G/4) - BSA Free (NB500-533) is a monoclonal antibody validated for use in IHC, WB and Flow. Anti-HLA G Antibody: Cited in 1 publication. 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 MEM-G/4 reacts with denaturated HLA-G heavy chain. The recognized epitope is present only on HLA-G1, -G2 and -G5 molecules. HLA-G belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on the surface of trophoblast cells. |
| **Immunogen** | Recombinant human HLA G Antibody (MEM-G/4) denaturated heavy chain. |

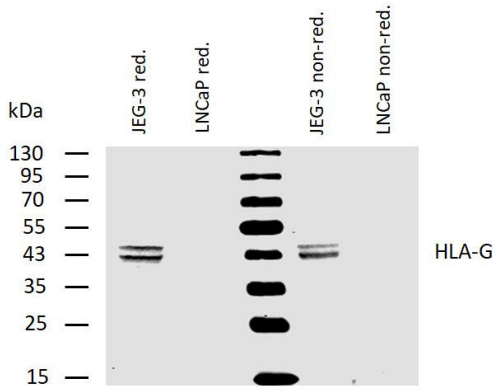
| Product Application Details | |
|---|---|
| **Applications** | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, CyTOF-ready |
| **Recommended Dilutions** | Western Blot 1-2 ug/ml, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| **Application Notes** | Use in IHC and Flow cytometry reported in scientific literature (PMID 24850908 ). Use in IHC-P reported in scientific literature (PMID: 24850908). This antibody is CyTOF ready. |

## Images

Western Blot: HLA G Antibody (MEM-G/4) [NB500-533] - Analysis of HLA-G by the antibody MEM-G/4 on HLA-G1 transfectants (LCL-HLA-G1).




Analysis of human HLA-G using mouse monoclonal antibody MEM-G/4 on lysates of JEG-3 cell line and LNCaP cell line (negative control) under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse monoclonal antibody anti-HLA-G followed by IRDye800-conjugated anti-mouse secondary antibody. Specific bands were detected for HLA-G at approximately 42-46 kDa.




## Publications

Velicky P, Haider S, Otti GR et al. Notch-dependent RBPJkappainhibits proliferation of human cytotrophoblasts and their differentiation into extravillous trophoblasts. Mol. Hum. Reprod. 2014-05-21 [PMID: 24850908] (FLOW, IHC-P, Human)

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## Products Related to NB500-533

| | |
|---|---|
| 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) |

**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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