

11-292-C025

## Monoclonal Antibody to HLA-G Purified Antibody (0.025 mg)

<b>Clone:</b>	MEM-G/9
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	<p>The antibody MEM-G/9 reacts with native form of human HLA-G1 on the cell surface as well as with soluble HLA-G5 isoform in its beta2-microglobulin associated form. HLA-G belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on the surface of trophoblast cells.</p> <p>The antibody MEM-G/9 is standard reagent thoroughly validated during 3rd International Conference on HLA-G (Paris, 2003).</p>
<b>Immunogen:</b>	Recombinant human HLA-G refolded with beta2-microglobulin and peptide.
<b>Species Reactivity:</b>	Human
<b>Negative Species:</b>	Mouse
<b>Application:</b>	<p><b>Flow Cytometry</b> <i>Recommended dilution:</i> 1-5 µg/ml <i>Positive control:</i> JEG-3 human choriocarcinoma cell line</p> <p><b>Immunoprecipitation</b> <b>Immunohistochemistry (frozen sections)</b> <b>Immunocytochemistry</b> <i>Recommended dilution:</i> Alexa Fluor® 488 Fab-fragment: 5 µg/ml</p> <p><b>ELISA</b> <i>Application note:</i> The antibody MEM-G/9 has been tested as the capture antibody in a sandwich ELISA for analysis of human HLA-G in combination with antibody B2M-01 or with antibody W6/32. Coating antibody (10 µg/ml) Detection antibody (biotin or peroxidase conjugate; 1 µg/ml)</p>
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Purification:</b>	Purified from ascites by precipitation methods.
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
<b>Storage / Stability:</b>	Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label

**For laboratory research only, not for drug, diagnostic or other use.**

**Antibodies****References:**

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- \*Menier C, Saez B, Horejsi V, Martinozzi S, Krawice-Radanne I, Bruel S, Le Danff C, Reboul M, Hilgert I, Rabreau M, Larrad ML, Pla M, Carosella ED, Rouas-Freiss N.: Characterization of monoclonal antibodies recognizing HLA-G or HLA-E: new tools to analyze the expression of nonclassical HLA class I molecules. *Hum Immunol*. 2003 Mar;64(3):315-26.
- \*Abstracts from the 3rd International Conference on HLA-G. *Tissue Antigens* 62, 339-357 (2003).
- \*Lopez AS, Alegre E, LeMaout J, Carosella E, Gonzalez A. Regulatory role of tryptophan degradation pathway in HLA-G expression by human monocyte-derived dendritic cells. *Mol Immunol*. 2006 Jul;43(14):2151-60.
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