



A4-292-C025

## Monoclonal Antibody to HLA-G Alexa Fluor® 488 conjugated (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>Preparation:</b>	The purified antibody is conjugated with Alexa Fluor 488 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
<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>	<p>Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.</p> <p>Do not use after expiration date stamped on vial label.</p> <p>Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.</p>
<b>Usage:</b>	<p>The reagent is designed for Flow Cytometry analysis.</p> <p>Suggested working dilution is 5 µg/ml. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.</p>
<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:**

- \*Fournel S, Huc X, Aguerre-Girr M, Solier C, Legros M, Praud-Brethenou C, Moussa M, Chaouat G, Berrebi A, Bensussan A, Lenfant F, Le Bouteiller P.: Comparative reactivity of different HLA-G monoclonal antibodies to soluble HLA-G molecules. *Tissue Antigens*. 2000 Jun;55(6):510-8.
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- \*Pangault C, Le Fric G, Caulet-Maugendre S, Lena H, Amiot L, Guilloux V, Onno M, Fauchet R.: Lung macrophages and dendritic cells express HLA-G molecules in pulmonary diseases. *Hum Immunol*. 2002 Feb;63(2):83-90.
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- \*Menier C, Saez B, Horejsi V, Martinuzzi 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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