



1B-292-C025

Monoclonal Antibody to HLA-G Biotin conjugated (0.025 mg)

Clone:	MEM-G/9
Isotype:	Mouse IgG1
Specificity:	<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>
Immunogen:	Recombinant human HLA-G refolded with beta2-microglobulin and peptide.
Species Reactivity:	Human
Negative Species:	Mouse
Preparation:	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Usage:	<p>The reagent is designed for Flow Cytometry analysis of cells expressing HLA-G molecule on the cell surface.</p> <p>Suggested working dilution is 1:1000. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.</p>
Expiration:	See vial label
Lot Number:	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.
- *Lozano JM, Gonzalez R, Kindelan JM, Rouas-Freiss N, Caballos R, Dausset J, Carosella ED, Pena J.: Monocytes and T lymphocytes in HIV-1-positive patients express HLA-G molecule. *AIDS*. 2002 Feb 15;16(3):347-51.
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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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