



10-292-C025

Monoclonal Antibody to HLA-G Azide Free (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
Application:	<p>Flow Cytometry Recommended dilution: 1-5 µg/ml Positive control: JEG-3 human choriocarcinoma cell line Immunoprecipitation Immunohistochemistry (frozen sections) Immunocytochemistry Recommended dilution: Alexa Fluor® 488 Fab-fragment: 5 µg/ml ELISA</p> <p>Application note: 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>
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein A
Concentration:	1 mg/ml
Storage Buffer:	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized.
Storage / Stability:	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.
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.
- *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.
- *Fuzzi B, Rizzo R, Criscuoli L, Noci I, Melchiorri L, Scarselli B, Bencini E, Menicucci A, Baricordi OR.: HLA-G expression in early embryos is a fundamental prerequisite for the obtainment of pregnancy. *Eur J Immunol*. 2002 Feb;32(2):311-5.
- *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.
- *Gonen-Gross T, Achdout H, Arnon TI, Gazit R, Stern N, Horejsi V, Goldman-Wohl D, Yagel S, Mandelboim O: The CD85J/leukocyte inhibitory receptor-1 distinguishes between conformed and beta 2-microglobulin-free HLA-G molecules. *J Immunol*. 2005 Oct 15;175(8):4866-74.

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