

TECHNICAL DATA SHEET

CyFlow™ HLA-G FITC **Anti-Hu; Clone MEM-G/9**

REF AD489786

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	HLA-G
Alternative Names	—
Clone	MEM-G/9
Clonality	monoclonal
Format	FITC
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	Mouse
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Recombinant human HLA-G refolded with β 2-microglobulin and peptide

Specificity

The mouse monoclonal 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 β 2-microglobulin associated form. Reactivity with HLA-G3

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was also reported. The antibody MEM-G/9 is standard reagent thoroughly validated during 3rd International Conference on HLA-G (Paris, 2003).

Application

The reagent is designed for Flow Cytometry analysis. Suggested working usage is 2 µg/ml. Indicated dilution is recommended starting point for use of this product, but working concentrations should be validated by the investigator.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

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. < PMID: 10902607 >
- 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. < PMID: 11807769 >
- Pangault C, Le Friec 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. < PMID: 11821155 >
- 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. < PMID: 11834945 >
- Abstracts from the 3rd International Conference on HLA-G; Paris, July 2003. Tissue Antigens. 2003; 62(4):340-57. < Wiley j.1399-0039 >

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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. < PMID: 12590976 >
- 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. < PMID: 16210588 >
- 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. < PMID: 16490253 >
- Zhao L, Teklemariam T, Hantash BM: Reassessment of HLA-G isoform specificity of MEM-G/9 and 4H84 monoclonal antibodies. Tissue Antigens. 2012 Sep; 80(3):231-8. < PMID: 22738368 >

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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