

TECHNICAL DATA SHEET

CyFlow™ HLA-G Alexa Fluor™ 488 Anti-Hu; Clone 5A6G7

REF CK408692

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

Specifications

Antigen	HLA-G
Alternative Names	—
Clone	5A6G7
Clonality	monoclonal
Format	Alexa Fluor™ 488
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	C-terminal amino acid sequence (22-mer) of soluble HLA-G5 and HLA-G6 proteins coupled to ovalbumin

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Specificity

The mouse monoclonal antibody 5A6G7 was generated to a peptide corresponding to C-intron 4-encoded sequence. This antibody does not crossreact with the full-length HLA-G1 isoform and thus allow to distinguish between secreted HLA-G5 and HLA-G6 isoforms from shedded HLA-G1.

Application

The reagent is designed for Flow Cytometry analysis. Suggested working usage is 10 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

- 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 >
- Le Rond S, Le Maoult J, Creput C, Menier C, Deschamps M, Le Friec G, Amiot L, Durrbach A, Dausset J, Carosella ED, Rouas-Freiss N: Alloreactive CD4+ and CD8+ T cells express the immunotolerant HLA-G molecule in mixed lymphocyte reactions: in vivo implications in transplanted patients. Eur J Immunol. 2004 Mar; 34(3):649-60. < PMID: 14991594 >
- Lafon M, Prehaud C, Megret F, Lafage M, Mouillot G, Roa M, Moreau P, Rouas-Freiss N, Carosella ED: Modulation of HLA-G Expression in Human Neural Cells after Neurotropic Viral Infections. J Virol. 2005 Dec; 79(24):15226-15237. < PMID: 16306594 >

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- Rebmann V, Lemaoult J, Rouas-Freiss N, Carosella ED, Grosse-Wilde H: Report of the Wet Workshop for Quantification of Soluble HLA-G in Essen, 2004. Hum Immunol. 2005 Aug; 66(8):853-63. < PMID: 16216668 >
- Le Rond S, Gonzalez A, Gonzalez AS, Carosella ED, Rouas-Freiss N: Indoleamine 2,3 dioxygenase and human leucocyte antigen-G inhibit the T-cell alloproliferative response through two independent pathways. Immunology. 2005 Nov; 116(3):297-307. < PMID: 16236119 >
- Poláková K, Železníková T, Russ G: HLA-G5 in the blood of leukemia patients and healthy individuals. Leuk Res. 2013 Feb; 37(2):139-45. < PMID: 23146557 >

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

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