TECHNICAL DATA SHEET

CyFlow™ HLA-G Purified
Anti-Hu; Clone 5A6G7

REF **CM319971**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	HLA-G
Alternative Names	—
Clone	5A6G7
Clonality	monoclonal
Format	Purified
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

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Western blot
- Immunohistochemistry
- Immunocytochemistry
- Enzyme-linked immunosorbent assay

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

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

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