

TECHNICAL DATA SHEET

CyFlow™ HLA-G FITC Anti-Hu; Clone 2A12

REF CR624586

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

Specifications

Antigen	HLA-G
Alternative Names	—
Clone	2A12
Clonality	monoclonal
Format	FITC
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

Contact Information:

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Specificity

The mouse monoclonal antibody 2A12 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 5 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

- LeMaout J, Le Discorde M, Rouas-Freiss N, Moreau P, Menier C, McCluskey J, Carosella ED: Biology and functions of human leukocyte antigen-G in health and sickness. Tissue Antigens. 2003 Oct; 62(4):273-84. < PMID: 12974794 >
- White SR, Loisel DA, McConville JF, Stern R, Tu Y, Marroquin BA, Noth I, Ober C: Levels of soluble human leukocyte antigen-G are increased in asthmatic airways. Eur Respir J. 2010 Apr; 35(4):925-7. < PMID: 20356990 >
- Larsen MH, Bzorek M, Pass MB, Larsen LG, Nielsen MW, Svendsen SG, Lindhard A, Hviid TV: Human leukocyte antigen-G in the male reproductive system and in seminal plasma. Mol Hum Reprod. 2011 Dec; 17(12):727-38. < PMID: 21813635 >
- 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 >

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

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