

TECHNICAL DATA SHEET

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

REF CT122510

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

Specifications

Antigen	HLA-G
Alternative Names	—
Clone	2A12
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 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

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

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

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 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

- LeMaoult 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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