TECHNICAL DATA SHEET

CyFlow™ HLA-G FITC
Anti-Hu; Clone 01G

REF **CB784162**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	HLA-G
Alternative Names	—
Clone	01G
Clonality	monoclonal
Format	FITC
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	Mouse | Rat
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	HLA-B27 transgenic mice were immunized with H-2 identical murine cells transfected with and expressing genes encoding HLA-G and human β2-microglobulin

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Specificity

The mouse monoclonal antibody 01G recognizes membrane-bound form of HLA-G (full-length HLA-G1) antigen, but not soluble forms. HLA-G belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on the surface of trophoblast cells.

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

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- Polakova K, Russ G: Expression of the non-classical HLA-G antigen in tumor cell lines is extremely restricted. Neoplasma. 2000; 47(6):342-8. < PMID: 11263857 >
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- Wiendl H, Feger U, Mittelbronn M, Jack C, Schreiner B, Stadelmann C, Antel J, Brueck W, Meyermann R, Bar-Or A, Kieseier BC, Weller M: Expression of the immune-tolerogenic major histocompatibility molecule HLA-G in multiple sclerosis: implications for CNS immunity. Brain. 2005 Nov; 128(11):2689-2704. < PMID: 16123145 >

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

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