

TECHNICAL DATA SHEET

CyFlow™ HLA-G Biotin Anti-Hu; Clone 87G

REF CG146239

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

Specifications

Antigen	HLA-G
Alternative Names	—
Clone	87G
Clonality	monoclonal
Format	Biotin
Host / Isotype	Mouse / IgG2a
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 β 2-microglobulin

Specificity

The mouse monoclonal antibody 87G recognizes both membrane-bound and soluble forms of HLA-G (HLA-G1 and HLA-G5). HLA-G belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and

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it is expressed on the surface of trophoblast cells. The antibody 87G blocks interaction of HLA-G with inhibitory receptors.

Application

The reagent is designed for Flow Cytometry analysis and for ELISA. Suggested working usage is 2 µg/ml (for Flow Cytometry). 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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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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