

TECHNICAL DATA SHEET

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

REF CP273179

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	HLA-G
Alternative Names	—
Clone	87G
Clonality	monoclonal
Format	Purified
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

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

- Flow cytometry
- Immunohistochemistry (frozen sections)
- Functional assays
- 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

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

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