

TECHNICAL DATA SHEET

CyFlow™ HLA-G Purified Anti-Hu; Clone G233

REF AY912752

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	HLA-G
Alternative Names	—
Clone	G233
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	HLA-A2.1/human beta2-microglobulin double transgenic mice were immunized with murine L cells transfected with both human β 2-microglobulin and HLA-G

Specificity

The mouse monoclonal antibody G233 recognizes several isoforms of HLA-G expressed in all populations of extravillous trophoblast (cell columns, interstitial trophoblast, endovascular trophoblast,

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placental bed giant cells). HLA-G belongs to the nonclassical MHC Class I molecules (MHC Class Ib). The antibody G233 has been found not to cross-react with any other MHC Class I antigens (HLA-A, -B, -C, -E, -F).

Application

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

- Flow cytometry
- Immunoprecipitation
- 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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- Gonzalez A, Alegre E, Arroyo A, LeMaout J, Echeveste JI: Identification of circulating nonclassic human leukocyte antigen G (HLA-G)-like molecules in exudates. Clin Chem. 2011 Jul; 57(7):1013-22. < PMID: 21527645 >

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

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