



A4-431-C100

Monoclonal Antibody to HLA-G Alexa Fluor® 488 conjugated (0.1 mg)

Clone:	5A6G7
Isotype:	Mouse IgG1
Specificity:	The antibody 5A6G7 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.
Regulatory Status:	RUO
Immunogen:	C-terminal amino acid sequence (22-mer) of soluble HLA-G5 and HLA-G6 proteins coupled to ovalbumin.
Species Reactivity:	Human
Preparation:	The purified antibody is conjugated with Alexa Fluor 488 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis. Suggested working dilution is 10 µg/ml. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.
Expiration:	See vial label
Lot Number:	See vial label

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**Antibodies****References:**

- *Menier C, Saez B, Horejsi V, Martinuzzi S, Krawice-Radanne I, Bruel S, Le Danff C, Reboul M, Hilgert I, Rabreau M, Larrad ML, Pla M, Carosella ED, Rouas-Freiss N: Characterization of monoclonal antibodies recognizing HLA-G or HLA-E: new tools to analyze the expression of nonclassical HLA class I molecules. *Hum Immunol.* 2003 Mar;64(3):315-26.
- *Le Rond S, Le Maout J, Creput C, Menier C, Deschamps M, Le Friec G, Amiot L, Durrbach A, Dausset J, Carosella ED, Rouas-Freiss N: Alloreactive CD4+ and CD8+ T cells express the immunotolerant HLA-G molecule in mixed lymphocyte reactions: in vivo implications in transplanted patients. *Eur J Immunol.* 2004 Mar;34(3):649-60.
- *Rebmann V, Lemaout J, Rouas-Freiss N, Carosella ED, Grosse-Wilde H: Report of the Wet Workshop for Quantification of Soluble HLA-G in Essen, 2004. *Hum Immunol.* 2005 Aug;66(8):853-63.
- *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.
- *Le Rond S, Gonzalez A, Gonzalez AS, Carosella ED, Rouas-Freiss N: Indoleamine 2,3 dioxygenase and human leucocyte antigen-G inhibit the T-cell alloproliferative response through two independent pathways. *Immunology.* 2005 Nov; 116(3): 297-307.
- *Lafon M, Prehaud C, Megret F, Lafage M, Mouillot G, Roa M, Moreau P, Rouas-Freiss N, Carosella ED: Modulation of HLA-G Expression in Human Neural Cells after Neurotropic Viral Infections. *J Virol.* 2005 Dec; 79(24): 15226-15237.

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