

## PRODUCT INFORMATION SHEET

### Monoclonal antibodies detecting human antigens

#### Anti-HLA-G

PURE	<span style="border: 1px solid black; padding: 2px;">RUO</span>	<span style="border: 1px solid black; padding: 2px;">REF</span>	IQP-632P	▽ 100 test
R-PE	<span style="border: 1px solid black; padding: 2px;">RUO</span>	<span style="border: 1px solid black; padding: 2px;">REF</span>	IQP-632R	▽ 100 test
Biotin	<span style="border: 1px solid black; padding: 2px;">RUO</span>	<span style="border: 1px solid black; padding: 2px;">REF</span>	IQP-632B	▽ 100 test

RUO **For Research Use Only**



#### Description

**Clone** 5A6G7

**Isotype** Murine 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.

**Species** Human

**Immunogen** C-terminal amino acid sequence (22-mer) of soluble HLA-G5 and HLA-G6 proteins coupled to ovalbumin.

**Applications** WB, FC, IHC(P), IHC(F), ICC, ELISA. Determining optimal working dilutions by titration test.

#### Limitations

1. Conjugates with brighter fluorochromes, like PE and APC, will have a greater separation than those with dyes like FITC and CyQ. When populations overlap, the percentage of positive cells using a selected marker can be affected by the choice of fluorescent label.
2. Use of monoclonal antibodies in patient treatment can interfere with antigen target recognition by this reagent. This should be taken into account when samples are analyzed from patients treated in this fashion. IQ Products has not characterized the effect of the presence of therapeutic antibodies on the performance of this reagent.
3. Reagents can be used in different combinations, therefore laboratories need to become familiar performance characteristics of each antibody in relation with the combined markers in normal and abnormal samples.
4. Reagent performance can be affected by the use of anticoagulants.



#### Handling and Storage

Antibodies are supplied in phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4. Store the vials at 2-8°C. Monoclonal antibodies should be protected from prolonged exposure to light when conjugated with fluorochromes. Reagents are stable for the period shown on the vial label when stored properly.

**Warranty** Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product. IQ Products is not liable for property damage, personal injury, or economic loss caused by the product.

#### Characterization

To ensure consistently high-quality reagents, each batch of monoclonal antibody is tested for conformance with characteristics of a standard reagent.












**Warning** All products contain sodiumazide. This chemical is poisonous and hazardous. Handling should be done by trained staff only.

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## References

1. 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.
  2. Le Rond S, Le Maoult J, Creput C, Menier C, Deschamps M, Le Fric 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.
  3. Rebmann V, Lemaoult 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.
  4. 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.
  5. 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.
  6. 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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## Explanation of used symbols

	Consult instructions for use
	Catalogue number
	Sufficient for
	Caution, consult accompanying document
	Keep away from (sun)light
	Biological risks
	Temperature limitation (°C)
	For Research Use Only
	Batch code
	Use by yyyy-mm-dd
	Manufacturer

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		<b>Label - tandem</b>	<b>Ex -max (nm)</b>	<b>Em -max (nm)</b>
P	PURE	purified material	-	-
F	FITC	FITC	488	519
R	R-PE	PE	488, 532	578
C	CyQ	PE-Cy5.18	488, 532	667
A	APC		595, 633, 635, 647	660
PC	PerCP		488, 532	678
PCC	PerCP-Cy5.5		488, 532	695

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