



Technical Data Sheet

Product	Anti-HLA-G Alexa Fluor® 488	
Cat. Number/Size	A4-437-C025	0.025 mg
	A4-437-C100	0.1 mg
For Research Use Only.		
Not for use in diagnostic or therapeutic procedures.		
Antigen	HLA-G	
Clone	87G	
Format	Alexa Fluor® 488	
Reactivity	Human	
Negative species	Mouse, Rat	
Application	FC (QC tested), IHC-F	
Application details	Flow cytometry: Extracellular and intracellular staining; recommended dilution: 1-3 µg/ml; positive control: JEG-3 human choriocarcinoma epithelial cell line.	
Excitation laser	blue (488 nm)	
Isotype	Mouse IgG2a	
Specificity	The 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 it is expressed on the surface of trophoblast cells.	
Immunogen	HLA-B27 transgenic mice were imunized with H-2 identical murine cells transfected with and expressing genes encoding HLA-G and human beta2-microglobulin.	
Entrez Gene ID	3135	
Gene name	HLA-G	
NCBI Full Gene Name	major histocompatibility complex, class I, G	
UniProt ID	P17693	
Concentration	1 mg/ml	
Preparation	Purified antibody is conjugated with Alexa Fluor® 488 NHS ester under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.	
Formulation	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide	
Storage and handling	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.	
Images and References	www.exbio.cz	

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