



Technical Data Sheet

Product	Anti-HLA-G Alexa Fluor® 488	
Cat. Number/Size	A4-499-C100	0.1 mg
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	HLA-G	
Clone	4H84	
Format	Alexa Fluor® 488	
Reactivity	Human	
Application	ICC, IHC-P, WB, IHC-F, FC (QC tested)	
Application details	Flow cytometry: Recommended dilution: 2-5 µg/ml. Intracellular staining or surface staining after acid treatment (Polakova K. et al. Molecular immunology 1993; 1223-30).	
Excitation laser	blue (488 nm)	
Isotype	Mouse IgG1	
Specificity	The mouse monoclonal antibody 4H84 recognizes an extracellular epitope of HLA-G molecule (39 kDa). HLA-G belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on the surface of trophoblast cells.	
Immunogen	amino acids 61-83 of HLA-G of human origin	
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	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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