

F4-292-C050

Monoclonal Antibody to HLA-G Fab fragment conjugated to Alexa Fluor® 488 (0.05 mg)

Clone:	MEM-G/9
Isotype:	Mouse IgG1
Specificity:	<p>The antibody MEM-G/9 reacts with native form of human HLA-G1 on the cell surface as well as with soluble HLA-G5 isoform in its beta2-microglobulin associated form. HLA-G belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on the surface of trophoblast cells.</p> <p>The antibody MEM-G/9 is standard reagent thoroughly validated during 3rd International Conference on HLA-G (Paris, 2003).</p>
Immunogen:	Recombinant human HLA-G refolded with beta2-microglobulin and peptide.
Species Reactivity:	Human
Negative Species:	Mouse
Preparation:	Fab fragment was prepared by ficin digestion of the purified IgG followed by protein-A affinity chromatography to remove the remaining intact IgG or Fc fragments. The Fab fragment was conjugated with Alexa Fluor® 488 under optimum conditions. The conjugate is purified by size-exclusion chromatography and lyophilized from the Storage Buffer.
Storage Buffer:	Azide free phosphate buffered saline (PBS) containing 0.1 M trehalose, approx. pH 7.4.
Storage / Stability:	Lyophilized product is stable for at least 12 months at -20°C. After reconstitution, store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.
Usage:	Before use, reconstitute the content of the vial with 50 µl of deionized water to get a concentration of fragment 1 mg/ml and mix well. The reagent is designed for immunofluorescence image analysis, including use in living cell systems. Recommended working concentration is 5 µg/ml.
Expiration:	See vial label
Lot Number:	See vial label

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

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- *Menier C, Saez B, Horejsi V, Martinozzi 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.
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