

HLA-G monoclonal antibody

Catalog: MB66909

Host: Mouse

Reactivity: Human

BackGround:

HLA-G is a non-classical MHC molecule expressed by trophoblasts in placenta, thymic epithelial cells, and some tumors. Alternative splicing leads to generation of at least six isoforms, four that are transmembrane proteins and two that are soluble. It is an inhibitory molecule involved in immune tolerance and escape, originally studied for its role in maternal tolerance of the fetus during pregnancy. HLA-G binds ILT2, ILT4, and KIR2DL4, playing a role in the regulation of natural killer, T, and monocyte/macrophage cells. Its involvement in evasion of immune response makes it a potential target for immunotherapy.

Product:

Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 43 kDa

Swiss-Prot:

P17693

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000)

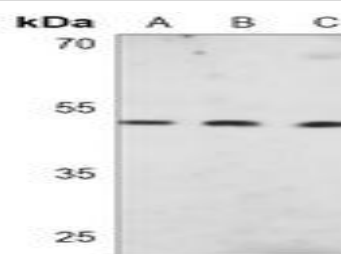
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of HLA-G protein.

DATA:



Western blot analysis of HLA-G expression in A549 (A), Ramos (B), MDAMB231 (C) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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