

Mouse anti-Human HLA-G (Major Histocompatibility Complex, class I, G) Monoclonal Antibody | anti-HLA-G antibody

HLA-G (Major Histocompatibility Complex, class I, G) Mouse Monoclonal Antibody [Clone HLAG/6686]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215702	Mouse	Human	Immunohistochemistry, Western Blot

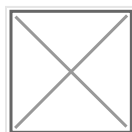
PRODUCT SYNONYMS

HLA-G (Major Histocompatibility Complex; class I; G); Monoclonal Antibody; G) Mouse Monoclonal Antibody [Clone HLAG/6686]; B2 microglobulin; DADB-15K14. 8; HLA 6. 0; HLA G histocompatibility antigen class I G; HLA G3; HLA60; HLAG; Major histocompatibility complex class I G; MHC class I antigen G; MHC G; T-cell A locus; TCA; anti-HLA-G antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	HLAG/6686
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-HLA-G antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified His-tagged HLA-G protein.
Cellular Localization	Cell surface
Positive Control	Raji cells. Expressed in trophoblasts.
Hu-chromosome Location	6p22.1
Unigene	512152
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human prostate stained with HLA-G Mouse Monoclonal Antibody (HLAG/6686) at 2ug/ml. Inset: PBS instead of primary antibody, secondary negative control.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-G antibody	Major histocompatibility complex (MHC), human leukocyte antigen (HLA) molecules are cell-surface receptors that bind foreign peptides and present them to T lymphocytes. MHC class I molecules consist of two polypeptide chains, an α or heavy chain, and a non-covalently associated protein, beta2-microglobulin. Cytotoxic T lymphocytes bind antigenic peptides presented by MHC class I molecules. Antigens that bind to MHC class I molecules are typically 8-10 residues in length and are stabilized in a peptide binding groove. MHC class II molecules are encoded by polymorphic MHC genes and consist of a noncovalent complex of an α and β chain. Helper T lymphocytes bind antigenic peptides presented by MHC class II molecules. MHC class II molecules bind 13-18 amino acid antigenic peptides. Accumulating in endosomal/lysosomal compartments and on the surface of B cells, HLA-DM and -DO molecules regulate binding of exogenous peptides to class II molecules (HLA-DR) by sustaining a conformation that favors peptide exchange. The differential structural properties of MHC class I and class II molecules account for their respective roles in activating different populations of T lymphocytes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	122132
NCBI GeneID	3135
UniProt Accession #	P17693
Molecular Weight	338
NCBI Official Full Name	HLA class I histocompatibility antigen, alpha chain G
NCBI Official Synonym Full Names	major histocompatibility complex, class I, G
NCBI Official Symbol	HLA-G
NCBI Official Synonym Symbols	MHC-G
NCBI Protein Information	HLA class I histocompatibility antigen, alpha chain G; HLA G antigen; b2 microglobulin; HLA class I molecule; MHC class I antigen G; HLA-G histocompatibility antigen, class I, G
UniProt Protein Name	HLA class I histocompatibility antigen, alpha chain G
UniProt Gene Name	HLA-G
UniProt Synonym Gene Names	HLA-6.0; HLAG
UniProt Entry Name	HLAG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hla-g-major-histocompatibility-complex-class-i-g-antibody-clone-hlag-6686-immunohistochemistry-western-blot-elisa/215702>