Mouse anti-Human Ganglioside GD2 Monoclonal Antibody

Mouse anti GD2 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14078	**Mouse**	**Human**	**Western Blot, Immunohistochemistry, Immunoprecipitation, ELISA**

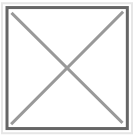
PRODUCT SYNONYMS

Ganglioside GD2; Monoclonal Antibody; Mouse anti GD2 Monoclonal Antibody; anti-Ganglioside GD2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	14G2a
Specificity	This antibody recognizes human Ganglioside GD2 protein. The other species are not tested.
Purity/Purification	The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping
Form/Format	This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer
Applicable Applications for anti-Ganglioside GD2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation), ELISA
Application Notes	Suggested Working Dilutions: WB: 0.1-1 ug/ml ELISA: 0.01-0.1 ug/ml IP: 2-5 ug/ml IHC: 2-10 ug/ml Flow Cytometry: Not tested Optimal dilutions should be determined by researchers for the specific applications.
Positive Control	Kidney Tissue
Cellular Location	Cell Membrane
Antigen Preparation	Enriched cell membrane of Neuroblastoma cell lysate.
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at –20°C to –70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti- Ganglioside (GD2) (Cat# AAA14078) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

ADDITIONAL INFORMATION

Related Product Information for anti-Ganglioside GD2 antibody	Description: Ganglioside GD2 Background: Ganglioside GD2 is a sialic acid-containing glycosphingolipid involved in cell attachment to the extracellular matrix. Expression of GD2 in normal tissue is restricted to cells from the central nervous system, peripheral nerves, skin melanocytes, and mesenchymal stem cells. However GD2 is highly expressed by tumors of neuro-ectodermal origin such as melanomas, gliomas, neuroblastomas, and small cell lung carcinoma. GD2 has been proposed as a marker for some cancer stem cells.

NCBI AND UNIPROT INFORMATION

Molecular Weight	47-55

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/ganglioside-gd2-antibody-clone-14g2a-western-blot-immunohistochemistry-immunoprecipitation-elisa/14078