

Product datasheet for **BM2287**

GFAP Mouse Monoclonal Antibody [Clone ID: GF12.24]

Product data:

Product Type:	Primary Antibodies
Clone Name:	GF12.24
Applications:	IF, IHC, WB
Recommended Dilution:	Immunoblotting. Immunofluorescence microscopy / Immunohistochemistry on cytological material. Immunohistochemistry on frozen sections: 1/10. Immunohistochemistry on paraffin-embedded sections: 1/10 (microwave treatment recommended).
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Intermediate filament cytoskeleton from cultured human glioma cells.
Specificity:	GF 12.24 represents an excellent marker for cell typing. Suitable for prenatal diagnosis of neural tube defects. Polypeptide Reacting: Mr 50 000 glial filament protein GFP. Tumors Specifically Reacting: Astrocytomas, gangliomas, medulloblastomas, mixed gliomas, certain ependymomas, certain teratomas. Tested Reactivities on Cultured Cell Lines: U 333 CG/343MG.
Formulation:	PBS, pH 7.4 State: Purified State: Lyophilized purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore with 1.0 ml distilled water
Purification:	Protein A Chromatography
Conjugation:	Unconjugated



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glial fibrillary acidic protein
Database Link:	Entrez Gene 2670 Human P14136
Background:	Glial fibrillary acidic protein (GFAP) is a member of the class III intermediate filament protein family. It is heavily, and specifically, expressed in astrocytes and certain other astroglia in the central nervous system, in satellite cells in peripheral ganglia, and in non myelinating Schwann cells in peripheral nerves. In addition, neural stem cells frequently strongly express GFAP. Antibodies to GFAP are therefore very useful as markers of astrocytic cells. In addition many types of brain tumor, presumably derived from astrocytic cells, heavily express GFAP. GFAP is also found in the lens epithelium, Kupffer cells of the liver, in some cells in salivary tumors and has been reported in erythrocytes
Synonyms:	Glial Fibrillary Acidic Protein