Product Data Sheet:
GFAP Mouse Monoclonal Antibody

Cat. No:	MAB-12029
Conjugate:	Unconjugated
Size:	100 ug
Clone:	GA5
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG1
Immunogen:	Purified porcine spinal cord GFAP
Reactivity:	Hu, Pig, Ch, Rt, Ms
Applications:	Western blot: 1:500 - 1:1000 Immunohistochemistry (Paraffin embedded tissues):1:500 Immunohistochemistry (Frozen Tissues) 1:500 - 1,000 Immunofluorescence : 1: :500 – 1: 1,000 Immunocytochemistry: 1: 500 – 1: 1,000
Molecular Weight:	50kDa
Purification:	Purified
Background:	Glial Fibrillary Acidic Protein (GFAP) was discovered by Amico Bignami and coworkers as a major fibrous protein of multiple sclerosis plaques (1). It was subsequently found to be a member of the 10nm or intermediate filament protein family, specifically the intermediate filament protein family Class III, which also includes peripherin, desmin and vimentin. The GFAP protein runs on gels as a ~50kDa protein, usually associated with somewhat lower molecule weight bands which are alternate transcripts from the single gene. The HGNC nomenclature for this protein is, perhaps not surprisingly, GFAP. GFAP is strongly 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 (2,3). It is also a component of neural stem cells.
Form:	Liquid
Buffer:	Liquid in PBS 50% glycerol, 5 mM Sodium Azide
Storage:	At 4°C short term or -20°C long term. Avoid repeated freezing and thawing

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