

Product datasheet for **AM33257PU-S**

GFAP Mouse Monoclonal Antibody [Clone ID: SPM507]

Product data:

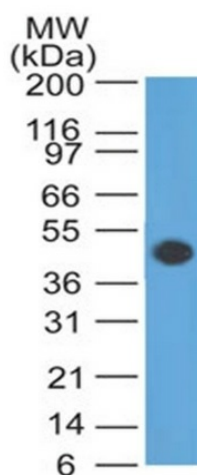
Product Type:	Primary Antibodies
Clone Name:	SPM507
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	Flow Cytometry: 0.5 µg/10 ⁶ cells in 0.1 ml. Immunofluorescence: 1-2 µg/ml. Western Blot: 0.5-1 µg/ml. Immunoprecipitation: 1-2 µg/500 µg protein lysate. Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections: 0.5-1 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Positive Control: Brain or Astrocytoma.
Reactivity:	Bovine, Chicken, Human, Mouse, Porcine, Rabbit
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	GFAP isolated from pig spinal cord.
Specificity:	This Monoclonal antibody recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. GFAP is a very popular marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system. Antibody to GFAP is useful in differentiating primary gliomas from metastatic lesions in the brain and for documenting astrocytic differentiation in tumors outside the CNS. Cellular Localization: Cytoplasmic.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific



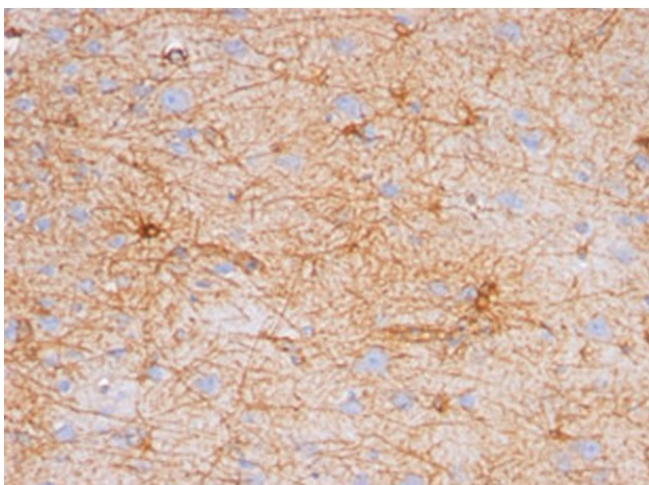
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Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~50 kDa
Gene Name:	glial fibrillary acidic protein
Database Link:	Entrez Gene 2670 Human P14136
Background:	Glial Fibrillary Acidic Protein (GFAP) is specific to astrocytes (i.e., glial cells) and ependymal cells of the central nervous system.
Synonyms:	Glial Fibrillary Acidic Protein

Product images:



Western blot analysis of GFAP in Human brain lysate using GFAP Antibody (Clone SPM507).



Formalin-Paraffin Human brain stained with GFAP Antibody (Clone SPM507). Note cytoplasmic staining.