Catalog # 2670-MSM58
Product Datasheet

GFAP (Astrocyte & Neural Stem Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone GFAP/15096]

Catalog No	Format	Size
2670-MSM58-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2670-MSM58-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2670-MSM58-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

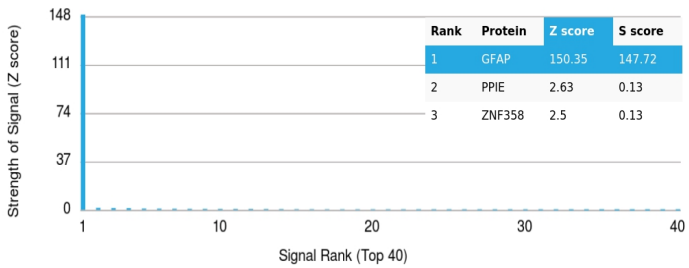
Applications	Tested Dillution	Note

Product Details

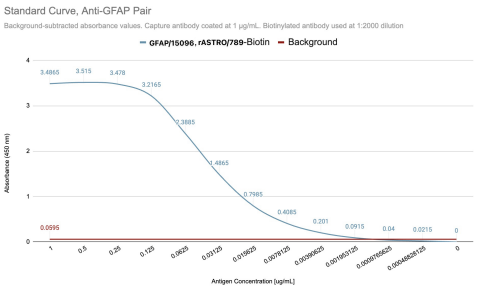
Clone	GFAP/15096
Gene Name	GFAP
Immunogen	Recombinant full-length human GFAP protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~50kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	Human brain or astrocytoma.

**Optimal dilution for a specific application should be determined.*

Product Images for GFAP (Astrocyte & Neural Stem Cell Marker) Antibody



Analysis of HuProt™ Protein Array (21,000+ full-length human proteins) with GFAP Mouse Monoclonal Antibody (GFAP/15096). Z-score: Signal strength (in SD above the mean) of antibody binding to each protein. S-score: Difference in Z-scores between the top target and the next best hit, indicating relative specificity. An antibody is considered specific if S ? 2.5. Example: Binding to protein X (Z = 43) vs protein Y (Z = 14) ? S = 29.



Mouse Monoclonal Antibody GFAP antibody (GFAP/15096) was utilized asthe capture antibody, coated onto the microtiter plate at 1 µg/mL. A biotinylated Anti-GFAP clone (rASTRO/789) was used as the detection antibody at a 1:2000 dilution. The graph displays background-subtracted absorbance values measured at 450 nm across a serial dilution of the target antigen.

Specificity & Comments

This MAb 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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Endothelial Cell Marker, Neural Stem Cells, Neuroinflammation, Neuroscience, Signal Transduction

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Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.