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Anti-GFAP Mouse mAb [04D59]

Catalog No.: A32026

Basic Information

Catalog No. (Cat.No.)	A32026
Host species	Mouse
Reactivity	Human,Rat,Monkey,Bovine
Applications	IHC,ELISA
Synonyms	GFAP,Glial fibrillary acidic protein

Product Information

Target	GFAP
Molecular Weight(Calculated)	49 kDa
Molecular Weight(Observed)	NA
Isotype	IgG2b,Kappa
Conjugation	NA
Concentration	Please check the information on the tube.
Clonality	Monoclonal
Clone No.	04D59
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
IHC	1:200-1:400
ELISA	1:500-1:5000

Target Information

Protein Name	Glial fibrillary acidic protein
Gene Name	*GFAP*
Domain	NA
Background	GFAP (Glial Fibrillary Acidic Protein) is a nerve-specific protein of the intermediate filament protein family, specifically expressed in astrocytes of the central nervous system. It coregulates glial cytoskeleton construction, central nervous system development, blood-brain barrier maintenance and nerve injury response. GFAP maintains the morphological stability of astrocytes, regulates the balance of the neural microenvironment, and assists neuronal nutrient supply and signal transmission. Under pathological conditions such as brain trauma, cerebral infarction, neuroinflammation and brain tumors, astrocytes are activated and GFAP expression is significantly upregulated, serving as a specific biomarker for central nerve injury and glial activation.