

## Product datasheet for **CF814562**

### GFAP Mouse Monoclonal Antibody [Clone ID: OTI2D4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D4
Applications:	ELISA
Recommended Dilution:	ELISA 1:5000-10000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 292-432 of human GFAP (NP_002046) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Predicted Protein Size:	49.9 kDa
Gene Name:	glial fibrillary acidic protein
Database Link:	<a href="#">NP_002046</a> <a href="#">Entrez Gene 2670 Human P14136</a>
Background:	This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]



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**Synonyms:** ALXDRD

**Protein Families:** ES Cell Differentiation/IPS