

## Product datasheet for **CF814550**

### GFAP Mouse Monoclonal Antibody [Clone ID: OT11F8E9]

#### Product data:

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clone Name:             | OT11F8E9                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applications:           | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Recommended Dilution:   | ELISA 1:5000-10000                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reactivity:             | Human                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Host:                   | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype:                | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Clonality:              | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen:              | Full length human recombinant protein 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><br><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] |
| Synonyms:               | ALXDRD                                                                                                                                                                                                                                                                                                                                                                                                                   |



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Protein Families: ES Cell Differentiation/IPS