

**PRODUCT INFORMATION**

<b>Target</b>	GFAP
<b>Synonyms</b>	ALXDRD
<b>Description</b>	Recombinant human GFAP(68-377) protein with N-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P14136
<b>Expression Host</b>	HEK293
<b>Tag</b>	N-6×His Tag
<b>Molecular Characterization</b>	6×His tag GFAP(Ser68-Ile377)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 37.2 kDa after removal of the signal peptide. The apparent molecular mass of His-GFAP(68-377) is approximately 35-55 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage&amp;Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Background</b>	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]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



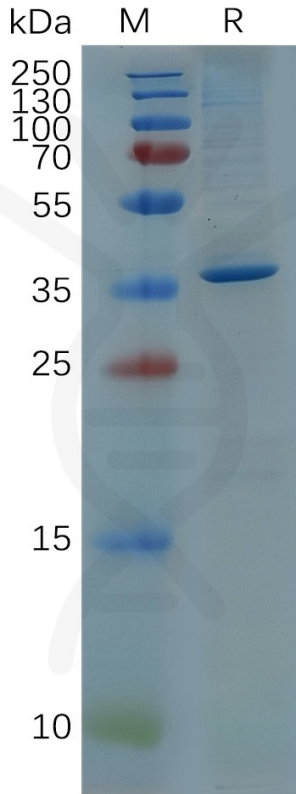


Figure 1. Human GFAP(68-377) Protein, His Tag on SDS-PAGE under reducing condition.

### Human GFAP(68-377), His Tagged protein ELISA

0.2 µg of Human GFAP(68-377), His tagged protein per well

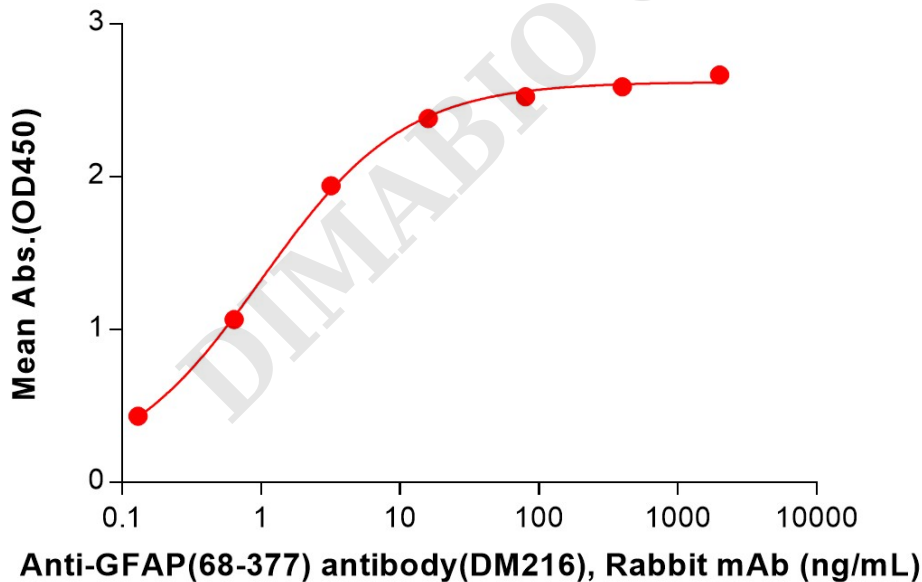


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human GFAP (68-377) Protein, His Tag (PME100667) can bind Anti-GFAP(68-377) antibody(DM216), Rabbit mAb (DME100216) in a linear range of 0.13-16 ng/mL.

