PRODUCT INFORMATION

Target	GFAP
Synonyms	ALXDRD
Description	Recombinant human GFAP(68-377) protein with N-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P14136
Expression Host	HEK293
Tag	N-6×His Tag
Molecular Characterization	6×His tag GFAP(Ser68-Ile377)
Molecular Weight	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.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
Storage&Shipping	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.
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]
Usage	Research use only
Conjugate	Unconjugated

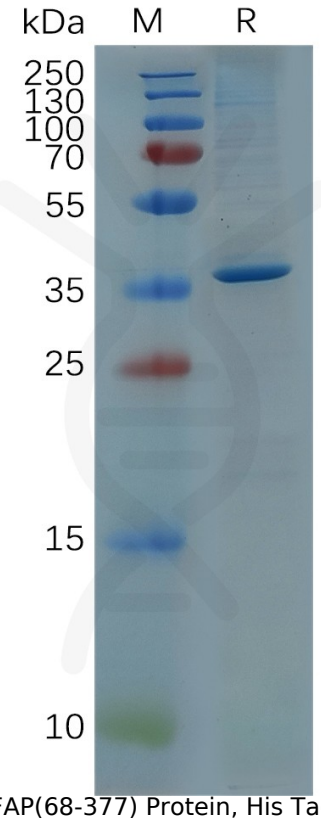

Figure 1. Human GFAP(68-377) Protein, His Tag on SDS-PAGE under reducing condition.

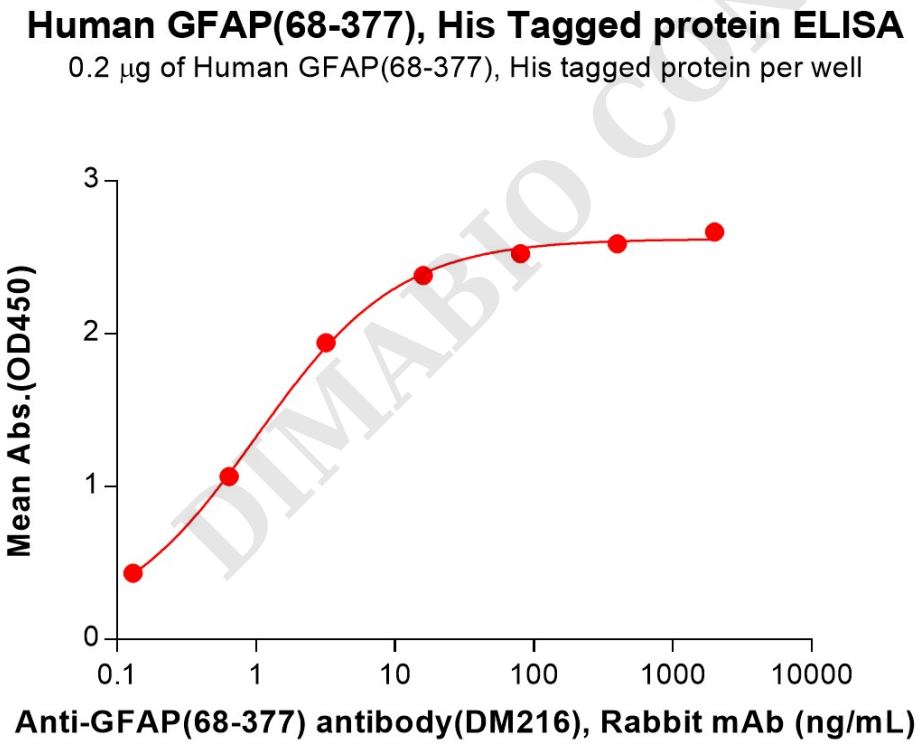

Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human GFAP (68-377) Protein, His Tag (PME100667) can bind Anti-GFAP(68-377) antibody(DM216), Rabbit mAb (DME100216) in a linear range of 0.13–16 ng/mL.