



# Mouse glial fibrillary acidic protein,GFAP ELISA Kit

<b>Product Code</b>	CSB-E08603m
<b>Abbreviation</b>	GFAP
<b>Target Name</b>	glial fibrillary acidic protein
<b>Uniprot No.</b>	P03995
<b>Alias</b>	FLJ45472
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	3.12 pg/mL-200 pg/mL
<b>Sensitivity</b>	0.78 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Neuroscience
<b>Gene Names</b>	Gfap
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Mouse GFAP ELISA Kit was designed for the quantitative measurement of Mouse GFAP protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 pg/mL-200 pg/mL and the sensitivity is 0.78 pg/mL.
<b>Target Details</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.
<b>Product Precision</b>	<p>Intra-assay Precision (Precision within an assay): CV%&lt;8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%&lt;10%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>



## Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse GFAP in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	90
	Range %	85-94
1:2	Average %	98
	Range %	95-101
1:4	Average %	102
	Range %	97-108
1:8	Average %	94
	Range %	91-97

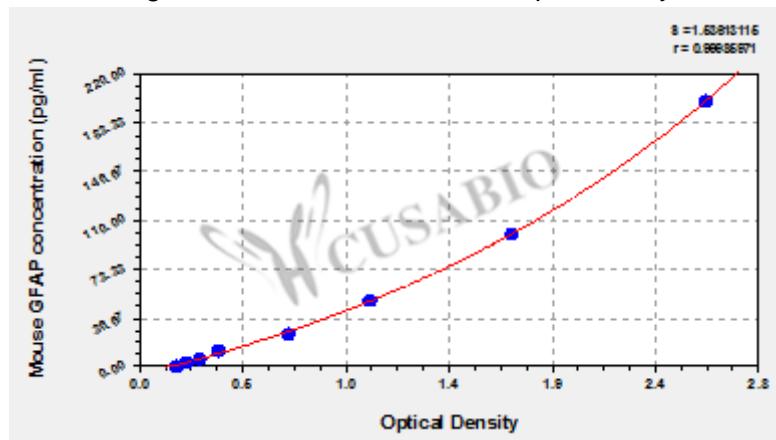
## Recovery

The recovery of mouse GFAP spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	97	91-104
EDTA plasma (n=4)	93	90-96

## Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
200	2.563	2.595	2.579	2.400
100	1.636	1.764	1.700	1.521
50	1.027	1.095	1.061	0.882
25	0.704	0.667	0.686	0.507
12.5	0.387	0.359	0.373	0.194
6.25	0.286	0.284	0.285	0.106
3.12	0.233	0.222	0.228	0.049
0	0.173	0.184	0.179	

## Msds

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