

Product datasheet for **EA200012**

Human GFAP ELISA KIT (1 x 96 wells)

Product data:

Product Type:	ELISA Kits
Description:	Human GFAP ELISA Kit for the detection of Human GFAP in serum, plasma, and other biological fluids.
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich ELISA kit of Quantitative Detection for Human GFAP
Assay Length:	4 hours incubations; 0.5 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	0.78ng/ml-50ng/ml
Sample Type:	Human serum, plasma and other biological fluids.
Sample Volume:	100µl
Specificity:	This kit is used for quantitative detection of Human GFAP
Sensitivity:	85pg/ml
Reactivity:	Human
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	<ul style="list-style-type: none">● GFAP Antibody Coated 96-well Plate in foil pouch with desiccant 1 plate● Recombinant Human GFAP Standard (2.5µg/ml) 0.1 mL● 100x HRP conjugated GFAP Detection Antibody 0.12 mL● Assay Buffer 60 mL● Wash Buffer Concentrate 20X 60 mL● TMB Substrate 12 mL● Stop Solution 12 mL● Plate Sealer 2 pieces



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Background:

Glial fibrillary acidic protein (GFAP) is a type III intermediate filament (IF) protein that is expressed by numerous cell types of the central nervous system (CNS), including astrocytes and ependymal cells during development. GFAP has also been found to be expressed in glomeruli and peritubular fibroblasts, Leydig cells of the testis, keratinocytes, osteocytes and chondrocytes. It has been shown to be important in the pathogenesis of Alexander disease and in repair after CNS injury. Decreases in GFAP expression have been reported in Down's syndrome, schizophrenia, bipolar disorder and depression. GFAP levels are already used as a marker for the activation of astrocytes (AS) following injury or stress in the CNS. Serum GFAP shows promise as a biomarker of disease severity in frontotemporal lobar degeneration (FTLD), and might be a suitable multiple sclerosis progression biomarker. In addition, GFAP has been used as a classical marker of astrocytoma and a diagnostic biomarker for glioblastoma multiforme (GBM).

Gene Symbol:

GFAP

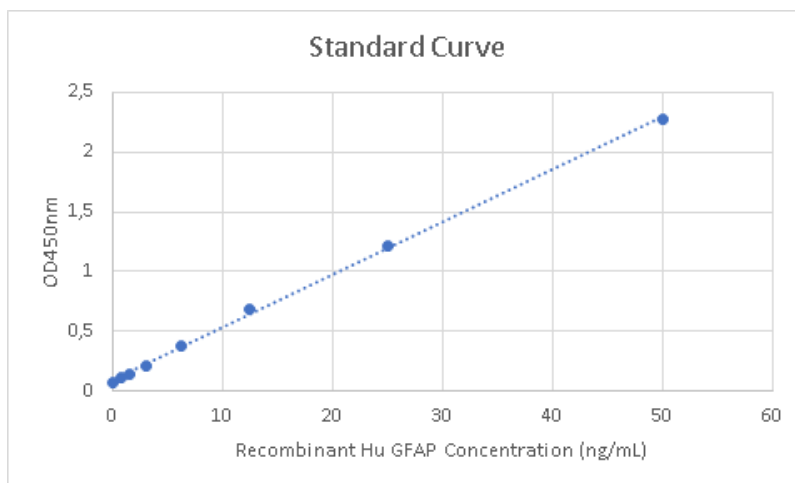
Gene ID:

2670

Standard Curve:

□

Data image for Human GFAP ELISA KIT.

Product images:

Data image for Human GFAP ELISA KIT.