Datasheet for ABIN5067956

GFAP ELISA Kit

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Overview

Quantity:	1 kit
Target:	GFAP
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	The Human GFAP ELISA is a biotin-labeled-antibody-based sandwich enzyme immunoassay for the quantitative measurement of human GFAP in serum, CSF, plasma and tissue culture medium. It is intended for in vitro and research use only.
Sample Type:	Cell Culture Lysate, Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	0.045 ng/mL
Characteristics:	GFAP, Human, ELISA Kit (Glial Fibrillary Acidic Protein)
Components:	• Microtiter Strips, coated with capture polyclonal antibody, sealed, 1x96 wells • * Human GFAP Master Calibrator, 1x1 vial • * Quality Control: High, 6..8ng/ml, 1x1 vial • * Quality Control: Low, 1..6ng/ml, 1x1 vial • Pab (Biotin), 1x13ml • Streptavidin (HRP), 1x13ml • Standard Diluent, 1x9ml

Product Details

- Dilution Buffer, 1x13ml
- Wash Solution, 10X, 1x100ml
- TMB Substrate Solution, 1x13ml
- Stop Solution, O4, 1x13ml

Target Details

Target:	GFAP
Alternative Name:	GFAP (GFAP Products)

Application Details

Plate:	Pre-coated
Protocol:	Principle: • In Human GFAP ELISA calibrators or samples are incubated with a rabbit polyclonal anti-human GFAP antibody coated in microtiter wells. After two hours of incubation and a washing, biotin-labeled monoclonal anti-human GFAP antibody is added and incubated with captured GFAP. After a thorough wash, streptavidin-horseradish peroxidase conjugate is added. After one hour of incubation and the last washing step, the remaining conjugate is allowed to react with the substrate H2O2-tetramethylbenzidine. The reaction is stopped by the addition of acidic solution. The absorbance of the resulting yellow product is measured at 450nm. The absorbance is proportional to the concentration of GFAP. A standard curve is constructed by plotting absorbance values versus GFAP concentrations of calibrators, and concentrations of unknown samples are determined using this standard curve.
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	4°C/-20°C