Pig Caspase-8 (CASP8) ELISA Kit

Catalog No: #EK11687

Package Size: #EK11687-1 48T #EK11687-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Pig Caspase-8 (CASP8) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Pig (Sus scrofa; Porcine)
Other Names	ALPS2B; CAP4; Casp-8; FLICE; FLJ17672; MACH; MCH5; MGC78473; FADD-homologous ICE/CED-3-like protease|MACH-alpha-1/2/3 protein|MACH-beta-1/2/3/4 protein|OTTHUMP00000163720|caspase 8|caspase 8; apopto
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.31-20 ng/mL

Sensitivity:0.156 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CASP8 in samples. An antibody specific for CASP8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCASP8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CASP8 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CASP8 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Caspase 8 is a member caspase family. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This protein is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of this protein suggests that it may interact with Fas-interacting protein FADD. This protein was detected in the insoluble fraction of the affected brain region from Huntington disease patients but not in those from normal controls, which implicated the role in neurodegenerative diseases. Many alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined.

Note: This product is for in vitro research use only