

Human Caspase 8 ELISA Kit | CASP8 elisa kit

Caspase 8 (Phospho-Tyr380) Phospho Sandwich ELISA Kit

CATALOG #
AAA318630

REACTIVITY
Human

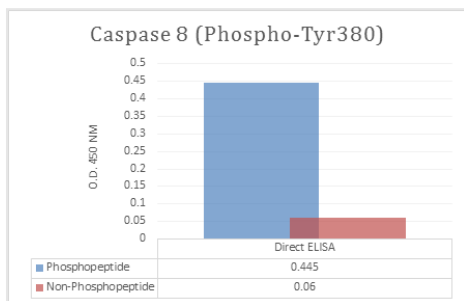
PRODUCT SYNONYMS

Caspase 8; Caspase 8 (Phospho-Tyr380) Phospho Sandwich ELISA Kit; Apoptotic cysteine protease; Apoptotic protease Mch-5; CAP4; Caspase-8 precursor; FADD-homologous ICE/CED-3- like protease; FADD-like ICE; FLICE; ICE-like apoptotic protease 5; ICE8; MACH; MCH5; MORT1-associated CED-3 homolog; CASP8 elisa kit

PRODUCT SPECIFICATIONS

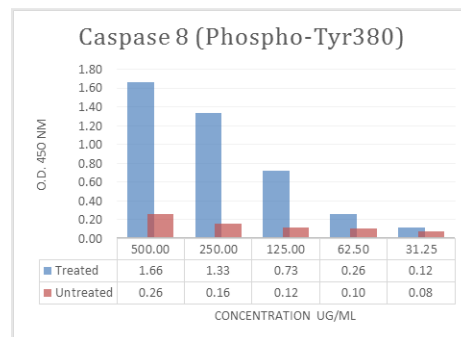
Reactivity	Human
Specificity	The Caspase 8 (Phospho-Tyr380) Phospho Sandwich ELISA Kit is a convenient, lysate- free, high throughput and sensitive assay kit that can detect Caspase 8 protein phosphorylation and expression profile in cell lysates. The kit can be used for measuring the relative amounts of phosphorylated Caspase 8 in cultured cells as well as screening for the effects that various treatments, inhibitors (ie. siRNA or chemicals), or activators have on Caspase 8 phosphorylation.
Sequence Length	464
Assay Type	Quantitative Sandwich
Preparation and Storage	Store entire kit at 4 degree C until use. Kit expiration is 3 months from date of shipment.

IMAGES



ELISA

Enzyme-Linked Immunosorbent Assay (ELISA) for immunogen phosphor-peptide (left) and non-phospho peptide (right), using Anti-Caspase 8 (Phospho-Tyr380) Antibody.



Application Data

HeLa cells were grown to 90% confluency and stimulated with 30 ng/mL TNF-

ADDITIONAL INFORMATION

Related Product Information for CASP8 elisa kit	Principle of the Assay: The Phospho Sandwich Caspase 8 (Phospho-Tyr380) ELISA Kit contains the components necessary for semi-quantitative determination of Caspase 8 (Phospho-Tyr380) concentrations within experimental cell lysate samples. This particular immunoassay utilizes the traditional "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope Caspase 8 (Phospho-Tyr380) while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a colorimetric reaction to ensue upon substrate addition. When the substrate TMB (3, 3', 5, 5'-Tetramethylbenzidine) is added, the reaction catalyzed by peroxidase yields a blue color that is representative of the antigen concentration. Upon sufficient color development, the reaction can be terminated through addition of Stop Solution (2 N Sulfuric Acid) where the color of the solution will turn yellow. The absorbance of each well can then be read by a spectrophotometer where data analysis may begin.
Product Categories/Family for CASP8 elisa kit	Phospho Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	122056474
NCBI GeneID	841
NCBI Accession #	NP_001073593.1
NCBI GenBank Nucleotide #	NP_001073593.1
UniProt Accession #	Q14790
NCBI Official Full Name	caspase-8 isoform C
NCBI Official Synonym Full Names	caspase 8
NCBI Official Symbol	CASP8
NCBI Official Synonym Symbols	CAP4; MACH; MCH5; FLICE; ALPS2B; Casp-8
NCBI Protein Information	caspase-8
UniProt Protein Name	Caspase-8
UniProt Gene Name	CASP8
UniProt Synonym Gene Names	MCH5; CASP-8; FLICE; MACH
UniProt Entry Name	CASP8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/casp8-human-elisa-kits/caspase-8/318630>