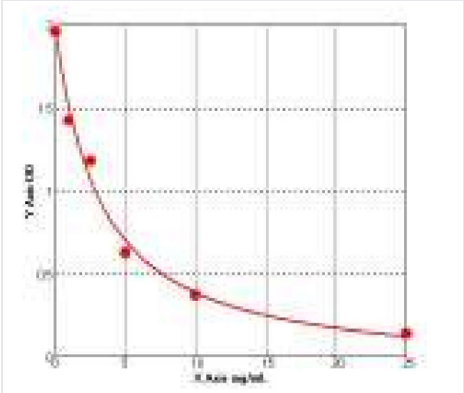
Pro-Caspase-1 ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Pro-Caspase-1, ELISA Kit
Full Product Name	Human Pro-Caspase-1 ELISA Kit
Species Reactivity	Human
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Specificity	This assay has high sensitivity and excellent specificity for detection of Pro-Caspase-1. No significant cross-reactivity or interference between Pro-Caspase-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Pro-Caspase-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of 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.
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for Pro-Caspase-1 elisa kit	Principle of the Assay: Pro-Caspase-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Pro-Caspase-1 antibody and an Pro-Caspase-1-HRP conjugate. The assay sample and buffer are incubated together with Pro-Caspase-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Pro-Caspase-1 concentration since Pro-Caspase-1 from samples and Pro-Caspase-1-HRP conjugate compete for the anti-Pro-Caspase-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by Pro-Caspase-1 from the sample, fewer sites are left to bind Pro-Caspase-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Pro-Caspase-1 concentration in each sample is interpolated from this standard curve. Intended Uses: This Pro-Caspase-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Pro-Caspase-1. This ELISA kit for research use only, not for therapeutic or test applications!
Other Notes	Small volumes of Pro-Caspase-1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for Pro-Caspase-1 purchase	MBS7254754 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Pro-Caspase-1, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing Pro-Caspase-1. The ELISA analytical biochemical technique of the MBS7254754 kit is based on Pro-Caspase-1 antibody-Pro-Caspase-1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Pro-Caspase-1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Pro-Caspase-1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of Pro-Caspase-1 elisa kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-elisa-kits/pro-caspase-1/7254754