

Product datasheet

Human Cleaved Caspase-7 (Asp198) Antibody Pair - BSA and Azide free ab276034

Recombinant RabMAb

[2 Images](#)

Overview

Product name	Human Cleaved Caspase-7 (Asp198) Antibody Pair - BSA and Azide free
Assay type	ELISA set
Range	281.25 pg/ml - 18000 pg/ml
Species reactivity	Reacts with: Human
Product overview	Both capture and detector antibodies are recombinant rabbit monoclonal antibodies delivering consistent, specific, and sensitive results.

The Antibody Pair can be used to quantify Human Cleaved Caspase-7 (Asp198). BSA and Azide free antibody pairs include **unconjugated** capture and detector antibodies suitable for sandwich ELISAs. The antibodies are provided at an approximate concentration of 1 mg/ml as measured by the protein A280 method. The recommended antibody orientation is based on internal optimization for ELISA-based assays. Antibody orientation is assay dependent and needs to be optimized for each assay type.

For additional information on the performance of the antibody pair, see the equivalent SimpleStep ELISA® Kit ([ab275900](#)), which uses the same antibodies. However, due to differences in their formulation, this antibody pair cannot be used with the consumables provided with our SimpleStep ELISA Kits. Please note that the range provided for the pairs is only an estimation based on the performance of the related product using the same antibody pair. Performance of the antibody pair will depend on the specific characteristics of your assay. We guarantee the product works in sandwich ELISA, but we do not guarantee the sensitivity or dynamic range of the antibody pair in your assay.

Download SDS [here](#).

Tested applications	Suitable for: Sandwich ELISA
Platform	Reagents

Properties

Storage instructions Store at +4°C. Please refer to protocols.

Carrier free Yes

Components	10 x 96 tests
Human Cleaved Caspase-7 (Asp198) Capture Antibody (unconjugated)	1 x 100µg
Human Cleaved Caspase-7 (Asp198) Detector Antibody (unconjugated)	1 x 100µg

Function Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp-Gly-217' bond. Overexpression promotes programmed cell death.

Tissue specificity Highly expressed in lung, skeletal muscle, liver, kidney, spleen and heart, and moderately in testis. No expression in the brain.

Sequence similarities Belongs to the peptidase C14A family.

Post-translational modifications Cleavages by granzyme B or caspase-10 generate the two active subunits. Propeptide domains can also be cleaved efficiently by caspase-3. Active heterodimers between the small subunit of caspase-7 and the large subunit of caspase-3, and vice versa, also occur.

Cellular localization Cytoplasm.

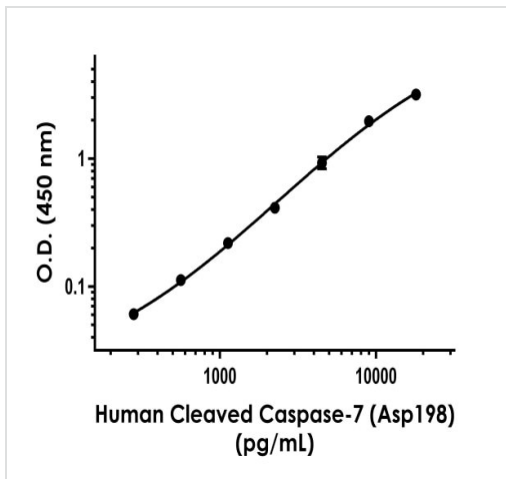
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab276034 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Sandwich ELISA		Use at an assay dependent concentration.





Images



Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab275900](#)), which uses the same antibody pair. For additional information on the performance of pair and kit, refer to the corresponding kit datasheet. Due to differences in the formulation and format of the antibodies in this pair, they cannot be used as substitutes for the antibody components in our SimpleStep ELISA® Kits.

Sandwich ELISA - Human Cleaved Caspase-7 (Asp198) Antibody Pair - BSA and Azide free (ab276034)

Powered by recombinant antibodies

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Human Cleaved Caspase-7 (Asp198) Antibody Pair – BSA and azide free

To learn more about the advantages of recombinant antibodies see [here](#).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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