

## Product datasheet

# Human Cytokeratin 18 Fragment (CK18-30) (Asp396) Antibody Pair - BSA and Azide free ab256747

Recombinant RabMAb

2 Images

### Overview

Product name	Human Cytokeratin 18 Fragment (CK18-30) (Asp396) Antibody Pair - BSA and Azide free
Assay type	ELISA set
Range	46.875 pg/ml - 3000 pg/ml
Species reactivity	<b>Reacts with:</b> Human
Product overview	<p>The Antibody Pair can be used to quantify Human Cytokeratin 18 Fragment. 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. Both capture and detector antibodies are rabbit monoclonal antibodies delivering consistent, specific, and sensitive results.</p> <p>For additional information on the performance of the antibody pair, see the equivalent SimpleStep ELISA® Kit (<a href="#">ab254515</a>), 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.</p> <p>Download SDS <a href="#">here</a>.</p>
Tested applications	<b>Suitable for:</b> Sandwich ELISA
Platform	Reagents

### Properties

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

Components	10 x 96 tests
Human Cytokeratin 18 Fragment Capture Antibody (unconjugated)	1 x 100µg
Human Cytokeratin 18 Fragment Detector Antibody (unconjugated)	1 x 100µg

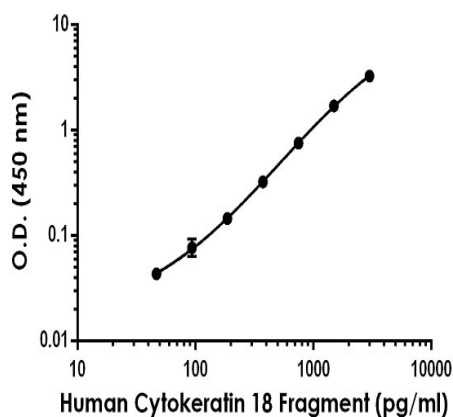
<b>Function</b>	Involved in the uptake of thrombin-antithrombin complexes by hepatic cells (By similarity). When phosphorylated, plays a role in filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Together with KRT8, is involved in interleukin-6 (IL-6)-mediated barrier protection.
<b>Tissue specificity</b>	Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.
<b>Involvement in disease</b>	Defects in KRT18 are a cause of cirrhosis (CIRRH) [MIM:215600].
<b>Sequence similarities</b>	Belongs to the intermediate filament family.
<b>Post-translational modifications</b>	Phosphorylation at Ser-34 increases during mitosis. Hyperphosphorylated at Ser-53 in diseased cirrhosis liver. Phosphorylation increases by IL-6. Proteolytically cleaved by caspases during epithelial cell apoptosis. Cleavage occurs at Asp-238 by either caspase-3, caspase-6 or caspase-7. O-glycosylated at multiple sites; glycans consist of single N-acetylglucosamine residues.
<b>Cellular localization</b>	Cytoplasm > perinuclear region.

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab256747 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
<b>Sandwich ELISA</b>		Use at an assay dependent concentration.

## Images



Sandwich ELISA - Human Cytokeratin 18 Fragment  
Antibody Pair - BSA and Azide free (ab256747)

Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab254515](#)), 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.

Powered by  
recombinant antibodies



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Sandwich ELISA - Human Cytokeratin 18 Fragment  
Antibody Pair - BSA and Azide free (ab256747)

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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