

Product datasheet

Human Fatty Acid Synthase Antibody Pair - BSA and Azide free ab253522

Recombinant RabMAb

[2 Images](#)

Overview

Product name Human Fatty Acid Synthase Antibody Pair - BSA and Azide free

Assay type ELISA set

Range 5.469 pg/ml - 350 pg/ml

Species reactivity **Reacts with:** Human

Product overview

Human Fatty Acid Synthase Antibody Pair is a matched pair of unconjugated **recombinant rabbit monoclonal** capture and detection antibodies used to quantify Human Fatty Acid Synthase in sandwich ELISAs and many other pair-based applications.

The pair can be used in variety of assays and platforms including but not limited to:

- Sandwich ELISA
- FRET/TR-FRET/HTR
- Meso Scale Discovery® (MSD®)
- Luminex® and bead-based assays
- AlphaLISA®/AlphaScreen®
- DELFIA® immunoassays
- Simoa® and Single Molecule Counting (SMC™) immunoassays
- Multiplex

Our antibody pairs are supplied in a **carrier-free format** that is conjugation-ready:

- Buffer free of BSA, sodium azide, and glycerol for higher conjugation efficiency.

- Concentration of ~1 mg/ml as measured by the protein A280 method.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for biotin, HRP, gold, and fluorescent dyes.

We can label antibodies for you: get in touch today to discuss how we can help accelerate your assay development with **custom conjugation services**.

Pairs are screened in biological samples, including plasma and serum, to ensure specificity in complex samples.

Please note:

The recommended antibody orientation is based on internal optimization in sandwich ELISA. Antibody orientation is assay dependent and needs to be optimized for each assay type.

The range provided for this antibody pair is based on initial sandwich ELISA validation data using recombinant protein. Performance and range of the antibody pair will depend on the specific characteristics of your assay, including standard protein selection.

We guarantee the product works in sandwich ELISA, but we do not guarantee the sensitivity or dynamic range of the antibodies in other assays.

Antibody properties:

Capture antibody: recombinant rabbit monoclonal (unconjugated) – 100 µg

Detector antibody: recombinant rabbit monoclonal (unconjugated) - 100 µg

Concentration: ~1 mg/ml

Storage buffer: 100% PBS

Form: Liquid

Isotype: IgG

Recombinant monoclonal antibodies offer several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **[see here](#)**.

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

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SMC is a registered trademark of Merck KGaA, Darmstadt, Germany.

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 Fatty acid synthase Capture Antibody (unconjugated)	1 x 100µg
Human Fatty acid synthase Detector Antibody (unconjugated)	1 x 100µg

Function

Fatty acid synthetase catalyzes the formation of long-chain fatty acids from acetyl-CoA, malonyl-CoA and NADPH. This multifunctional protein has 7 catalytic activities and an acyl carrier protein.

Tissue specificity

Ubiquitous. Prominent expression in brain, lung, and liver.

Sequence similarities

Contains 1 acyl carrier domain.

Cellular localization

Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Applications

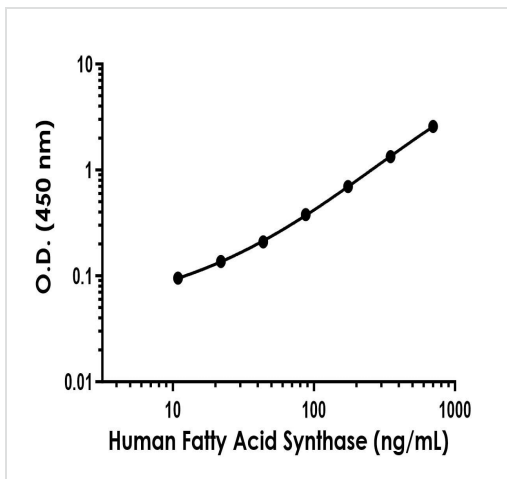
The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab253522 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



Example of human Fatty Acid Synthase standard curve in Sample Diluent 1X Cell Extraction Buffer PTR

Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab279412](#)), 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 - Antibody Pair - BSA and Azide Free (ab253522)

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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