

Product datasheet

Human IRF5 Antibody Pair - BSA and Azide free ab253545

Recombinant RabMAb

[2 Images](#)

Overview

Product name	Human IRF5 Antibody Pair - BSA and Azide free
Assay type	ELISA set
Range	5.8 pg/ml - 1500 pg/ml
Species reactivity	Reacts with: Human
Product overview	Human IRF5 Antibody Pair is a matched pair of unconjugated recombinant rabbit monoclonal capture and detection antibodies used to quantify Human IRF5 in sandwich ELISAs and many other pair-based applications.

Notes	<p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>The pair can be used in variety of assays and platforms including but not limited to:</p> <ul style="list-style-type: none">Sandwich ELISAFRET/TR-FRET/HTRFMeso Scale Discovery[®] (MSD[®])Bead-based assaysAlphaLISA[®]/AlphaScreen[®]DELFI[®] immunoassaysSimoa[®] and Single Molecule Counting (SMC[™]) immunoassaysMultiplex <p>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 fluorescent dyes, HRP, biotin and gold.</p> <p>We can label antibodies for you: get in touch today to discuss how we can help accelerate your assay development with custom conjugation services.</p> <p>Pairs are screened in biological samples, including plasma and serum, to ensure specificity in</p>
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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](#).

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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 IRF5 Capture Antibody (unconjugated)	1 x 100µg
Human IRF5 Detector Antibody (unconjugated)	1 x 100µg

Involvement in disease

Genetic variations in IRF5 are associated with susceptibility to inflammatory bowel disease type 14 (IBD14) [MIM:612245]. IBD14 is a chronic, relapsing inflammation of the gastrointestinal tract with a complex etiology. It is subdivided into Crohn disease and ulcerative colitis phenotypes.

Crohn disease may affect any part of the gastrointestinal tract from the mouth to the anus, but most frequently it involves the terminal ileum and colon. Bowel inflammation is transmural and discontinuous; it may contain granulomas or be associated with intestinal or perianal fistulas. In contrast, in ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers; fistulas and granulomas are not observed. Both diseases include extraintestinal inflammation of the skin, eyes, or joints.

Genetic variations in IRF5 are associated with susceptibility to systemic lupus erythematosus type 10 (SLEB10) [MIM:612251]. Systemic lupus erythematosus (SLE) is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.

Genetic variations in IRF5 are a cause of susceptibility to rheumatoid arthritis (RA) [MIM:180300]. It is a systemic inflammatory disease with autoimmune features and a complex genetic component. It primarily affects the joints and is characterized by inflammatory changes in the synovial membranes and articular structures, widespread fibrinoid degeneration of the collagen fibers in mesenchymal tissues, and by atrophy and rarefaction of bony structures.

Sequence similarities

Belongs to the IRF family.

Contains 1 IRF tryptophan pentad repeat DNA-binding domain.

Cellular localization

Nucleus.

Applications

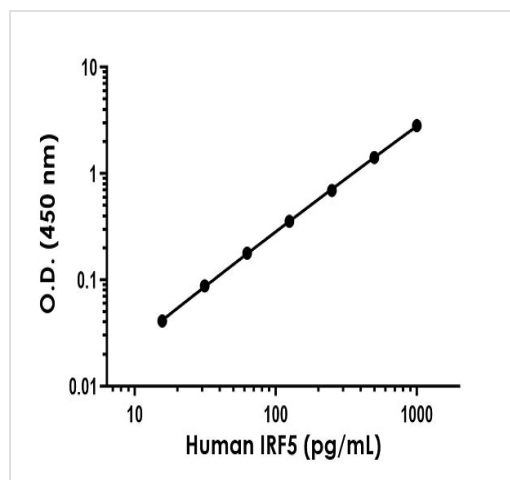
The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab253545 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 IRF5 standard curve. Background-subtracted data values (mean +/- SD) are graphed.

Sandwich ELISA - Human IRF5 Antibody Pair - BSA and Azide free (ab253545)

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 (ab253545)

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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- Extensive multi-media technical resources to help you
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