

Datasheet for ABIN135676

**Mouse anti-Human IgE (Fc Region) Antibody (Biotin)**[Go to Product page](#)**2** Images**1** Publication

## Overview

Quantity: 0.5 mg

Target: IgE

Binding Specificity: Fc Region

Reactivity: Human

Host: Mouse

Clonality: Monoclonal

Conjugate: Biotin

Application: ELISA

## Product Details

Immunogen: PS human IgE myeloma protein

Clone: HP6029

Isotype: IgG2a

Specificity: Reacts with the Fc portion of the heavy chain of human IgE as demonstrated by ELISA

Characteristics: Mouse Anti-Human IgE Fc-BIOT

Purification: Immunoaffinity chromatography

## Target Details

Target: IgE

Abstract: [IgE Products](#)

## Application Details

Application Notes:

Working Dilution:

1:1,000-1:2,000

Representative data are included in this product insert.

Each laboratory should determine an optimum working titer for use in its particular application.

Other applications have not been tested but use in such assays should not necessarily be excluded.

Restrictions:

For Research Use only

## Handling

Buffer:

0.5 mg in 1.0 mL of PBS / NaN<sub>3</sub>.

Handling Advice:

Avoid cycles of freezing and thawing.

Storage:

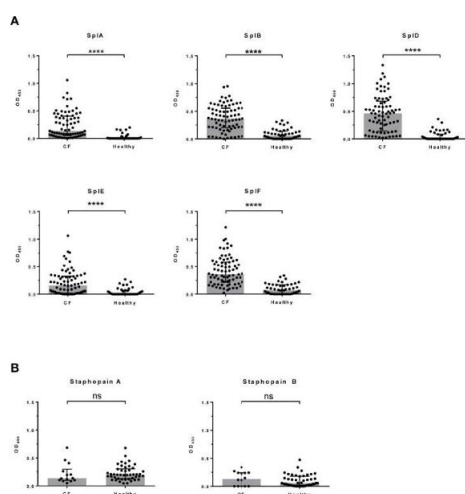
4 °C

## Publications

Product cited in:

Nordengrün, Abdurrahman, Treffon, Wächter, Kahl, Bröker: "Allergic Reactions to Serine Protease-Like Proteins of Staphylococcus aureus." in: **Frontiers in immunology**, Vol. 12, pp. 651060, (2021) ([PubMed](#)).

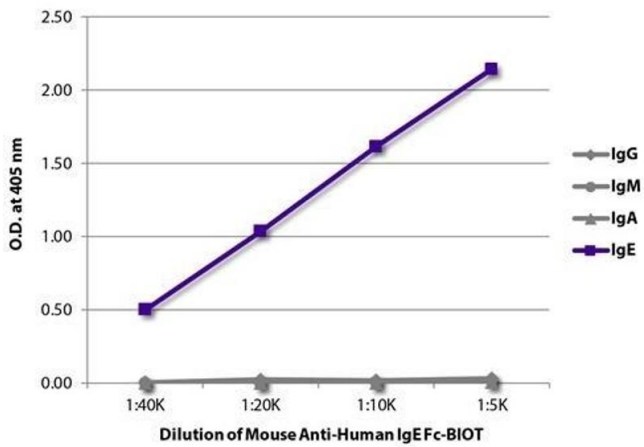
## Images



### ELISA

**Image 1.** *S. aureus* protease-specific IgE in sera of CF patients and healthy adults. Specific serum antibody binding was determined by ELISA. Each data point represents the mean of two technical replicates. Spl-specific serum IgE levels were significantly higher in CF patients (n = 76) than in healthy controls (n = 46) (A), whereas no significant differences were seen in the staphopain A and staphopain B specific IgE levels (CF: n = 14; controls: n = 46) (B). Medians (grey bars) with interquartile ranges are shown. \*\*\*\*P < 0.0001; Mann Whitney U test. CF, cystic fibrosis, ns, not

significant, OD, optical density.



## ELISA

**Image 2.** ELISA plate was coated with purified human IgG, IgM, IgA, and IgE. Immunoglobulins were detected with serially diluted Mouse Anti-Human IgE Fc-BIOT (ABIN135676) followed by Streptavidin-HRP