

Note that this data sheet is not lot-specific. Please consult the vial label and the certificate of analysis for information on specific lots.

m-anti-Human IgE (clone BCAB1373), monoclonal (anti-IgE antibody)

Catalogue Number: 12 400 001

Package Size: 100 µg

Catalogue Number: 12 400 010

Package Size: 1 mg

1. Description

Protein G-purified monoclonal mouse antibody against recombinant human Immunoglobulin E (IgE), Clone BT112. The monoclonal antibody was raised against recombinant human IgE expressed in *E. coli*. The IgG1 fraction was purified by affinity chromatography and lyophilized.

2. Specificity

The antibody reacts against the recombinant human IgE under reducing conditions with DTT (see figure 1). The apparent M_r of the subunits of hIgE in SDS-PAGE is ~70 kDa.

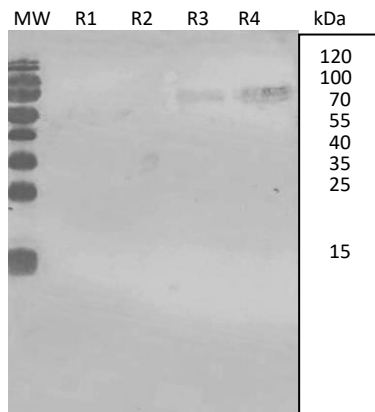


Figure 1: Western Blot of recombinant human IgE (R1-R4) with the anti-hIgE-monoclonal antibody, clone BT112. Detection development with mouse-monoclonal-IgG coupled with peroxidase and substrate TMB. Western Blot under reducing conditions (with DTT, with 10 min. incubation at 95°C):
lane MW: Prestained Marker; lane R1: 1 ng rec. hIgE; lane R2: 10 ng rec. hIgE; lane R3: 50 ng rec. hIgE;
lane R4: 150 ng rec. hIgE

3. Package

Purified and lyophilized antibody in phosphate buffered saline (0.05M PBS buffer, pH 7.4) containing 0.01 % sodium azide as preservative.

Handling Advice: Reconstitute antibody by adding 0.1 ml/ 1 ml deionized water.

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4. Applications

- ELISA
The antibody was used as capture antibody in an IgE sandwich ELISA (see figure 2).

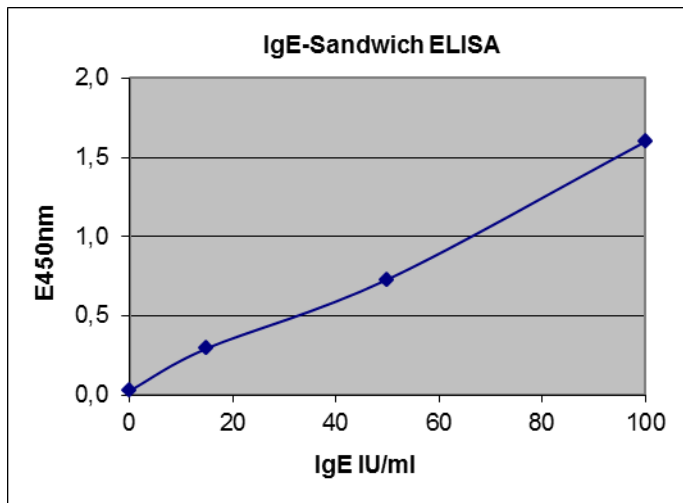


Figure 2: Sandwich ELISA with the anti-IgE-antibody, Clone BT112 (50 ng/well), as capture antibody and HRP labelled anti-IgE antibody as the detection antibody. Enzyme reaction with substrate TMB.

- Immunoblotting

5. Storage

Long-term storage: -20° C, Short-term storage: +2 to 8°C.
Repeated freezing and thawing should be avoided.

6. Additional Information

Antibodies should be titrated for optimal results in individual systems.