

ABclonal

Recombinant Mouse IgE Protein

Catalog No.: RPT0013 Recombinant

Sequence Information

Species Gene ID **Swiss Prot** Mouse P06336

Tags C-His

Synonyms laE

Product Information

Purification Source

HEK293 cells ≥ 95% as determined by SDS-

PAGE.

Calculated MW Observed MW

38.99 kDa 45-75 kDa

Endotoxin

< 0.1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

As one of the five designated immunoglobulin isotypes, immunoglobulin E (IgE) plays a major role in atopic conditions by inducing immediate hypersensitivity reactions. IgE also contributes significantly to the body's immune response to parasitic infections. IgE antibodies are predominantly found in the tissues, firmly attached to effector cells, such as mast cells and basophils, by high-affinity IgE Fc receptor (Fc epsilon RI) and low-affinity IgE receptor (Fc epsilon RII).

Basic Information

Description

Recombinant Mouse IgE Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Pro50-Lys388) of mouse IgE (Accession #) fused with and 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse IgE (Catalog: RPT0013) at 1 μg/mL (100 μL/well) can bind Mouse IgE Rabbit mAb(Catalog: A23195) with a linear range of 0.06-0.45 ng/mL.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

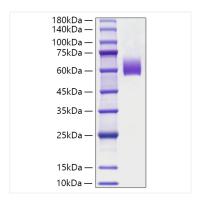
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

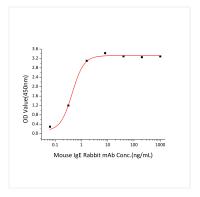
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Mouse IgE Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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