

Product datasheet

Native Human IgE protein (Azide free) ab65866

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Description

Product name	Native Human IgE protein (Azide free)
Biological activity	1 mg of ab65866 is 380,000± 50,000 IU/ml.
Purity	> 90 % SDS-PAGE. Human IgE full length protein was purified by Protein L chromatography. As the IgE comes from a monoclonal cell line, there is no contamination of antibodies of other isotypes. The remaining contaminants are mainly components from Foetal Bovine Serum.
Endotoxin level	< 25.000 Eu/mg
Expression system	Native
Accession	P0DOX4 P0DOX7
Protein length	Full length protein
Animal free	No
Nature	Native
Amino Acid Sequence 1	
Species	Human
Additional sequence information	Observed band of ~185kDa on SDS-PAGE
Amino Acid Sequence 2	
Species	Human

Specifications

Our **Abpromise guarantee** covers the use of **ab65866** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE IHC - Wholemout Western blot ELISA Immunocytochemistry
Form	Liquid

Additional notes

This product is purified Human IgE with kappa light chains produced *in vitro* from a monoclonal hybridoma.

This antigen is quite unique, because it is the only available IgE product, which originates from a human monoclonal cell line. Our IgE product shows superior advantage when compared to the traditionally purified polyclonal IgE from myeloma patients. A comparison which is highly superior on the following key parameters:.

- Low batch-to-batch variation
- Higher degree of purity (>90%)
- A more uniform product (monoclonal and not polyclonal)

Low endotoxin levels below < 25 EU/mg allow use of IgE protein in cellular immunology and in cell proliferation studies.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 0.00017% PBS, 0.88% Sodium chloride

This product is an active protein and may elicit a biological response *in vivo*, handle with caution.

General Info

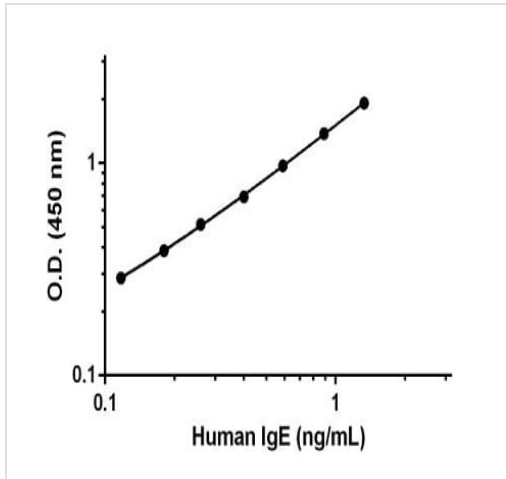
Relevance

IgE is the class of antibodies produced in the lungs, skin, and mucous membranes. It may protect against parasite invasion, but it is a major factor in allergic reactions. The antigen-specific IgE interacts with mast cells and eosinophils, triggers the release of histamine, leukotrienes and other substances that lead to the itching, sneezing and congestion of allergies - and the life threatening respiratory distress of asthma and anaphylactic shock.

Cellular localization

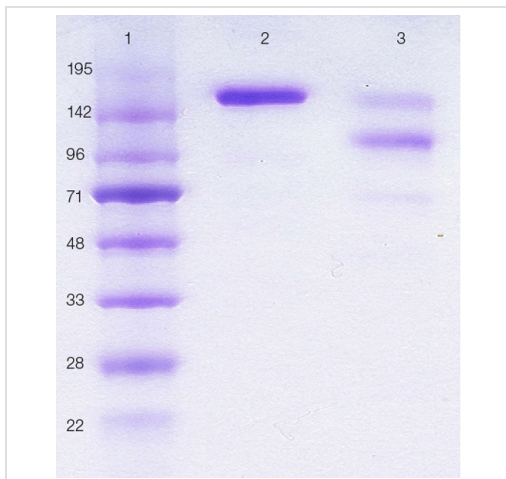
Cell Membrane

Images



Background-subtracted data values (mean +/- SD) are graphed.

Sandwich ELISA - Native Human IgE protein (Azide free) (ab65866)



SDS-PAGE analysis of:

Lane 1: Molecular weight markers.

Lane 2: ab65866.

Lane 3: IgE purified from serum from a myeloma patient.

SDS-PAGE - Native Human IgE protein (Azide free) (ab65866)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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