Datasheet for ABIN2648126

IgE Protein

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Overview

Quantity:	100 µg
Target:	IgE
Origin:	Human
Source:	Human
Application:	Isotype Control (IsoC)

Product Details

Characteristics:	Purified Human IgE protein Source: Human myeloma plasma Alternative Names: Immunoglobulin E Protein, Human IgE
Purification:	Purified
Purity:	> 95 % pure

Target Details

Target:	IgE
Abstract:	IgE Products
Background:	IgE is the least abundant immunoglobulin in plasma, found at a concentration of less that 0.6 mg/mL of normal plasma. Elevated IgE levels are found in patients experiencing severe allergic reactions and parasitic infections. In a myeloma condition, IgE is produced by a single clone of plasma cells. The structure of myeloma IgE, however, is normal, and the immunoglobulin purified from a myeloma source is a useful protein for studying immunoglobulin behavior.

Target Details

Molecular Weight:	200 kDa

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	15 mM KH5 O4, pH 7.4, with 155 M NaCl and 0.05 % NaN3.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20 °C.

Publications

Product cited in:	Kraus, Kleines, Albers, Blohm, Piechotta, Püttmann, Barth, Nähring, Nebling: "Quantitative measurement of human anti-HCV Core immunoglobulins on an electrical biochip platform." in: **Biosensors & bioelectronics**, Vol. 26, Issue 5, pp. 1895-901, (2011) (PubMed). Wang, Munir, Li, Zhou: "Aptamer-Au NPs conjugates-enhanced SPR sensing for the ultrasensitive sandwich immunoassay." in: **Biosensors & bioelectronics**, Vol. 25, Issue 1, pp. 124-9, (2009) (PubMed). Cho, Collett, Szafranska, Ellington: "Optimization of aptamer microarray technology for multiple protein targets." in: **Analytica chimica acta**, Vol. 564, Issue 1, pp. 82-90, (2007) (PubMed).

Olivieri, Beccarini, Gallucci, Romano, Santoro: "Capture assay for specific IgE. An improved quantitative method." in: **Journal of immunological methods**, Vol. 157, Issue 1-2, pp. 65-72, (1993) (PubMed).