

Datasheet for ABIN363698

IgE Protein**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IgE
Origin:	Human
Source:	Human
Protein Type:	Recombinant
Application:	Western Blotting (WB), Isotype Control (IsoC), ELISA, Functional Studies (Func), Flow Cytometry (FACS)

Product Details

Specificity:	Binds with Fc effector domain to human and non human primate IgE receptors, no cross-reactivity with rodent or canine IgE receptors, specific antigen unknown
Characteristics:	IGHE, chromosome 14q32.33 Source of protein: Human B cell hybridoma from healthy donors (CD40 cell culture system)
Purification:	Affinity - purified from cell culture supernatant by Immunoaffinity Chromatography on CH-Sepharose 4B
Purity:	> 95 %, tested by analytical Gel Permeation Chromatography

Target Details

Target:	IgE
Abstract:	IgE Products
Background:	Recombinant human IgE to be used as reference for IgE concentration measurements in

Target Details

biological samples (ELISA, FACS). IgE (SUS-11) recognizes the human high affinity IgE receptor (FcεR1a), the human low affinity IgE receptor (CD23) and does not interact with the corresponding IgE receptors of other species. It can be used as functional reagent in mast cell / basophil cellular assays, e.g. for controlled sensitization of such cells and subsequent cross-linking with either anti-human IgE mAbs mAb LE27 or a specific recombinant cross-linking agent.

Application Details

Application Notes:	For functional cellular assays (mast cell / basophil activation), when used at dilutions < 1:100, the sodium azide free formulation is recommended Quality assurance: Reactivity > 99 %, compared to calibrator (Internal Standard mAb BSW17), tested by ELISA binding to immobilized human Standard IgE (SUS-11)
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Restrictions:	For Research Use only
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Handling

Concentration:	1 mg/mL
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Buffer:	PBS, pH=7.2, 0.1 % NaN ₃
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Preservative:	Sodium azide
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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.
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Storage:	4 °C
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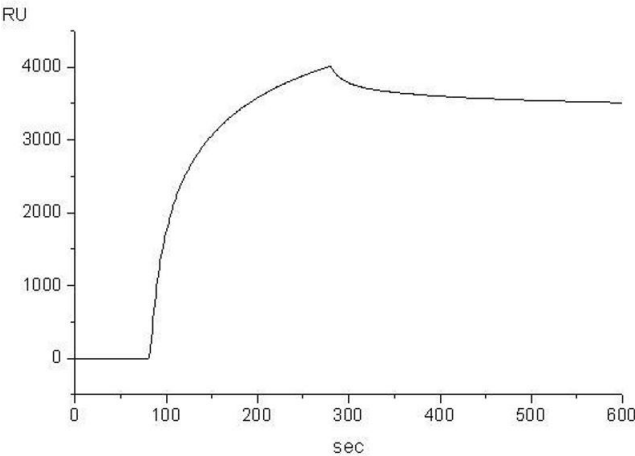


Image 1. Target binding kinetics (Biacore)

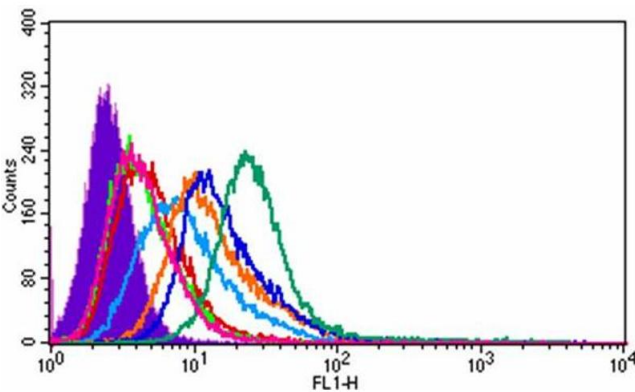


Image 2. binding of increasing amounts of IgE(SUS-11) to recombinant rat RBL2H3 mast cells expressing the human high affinity IgE receptor

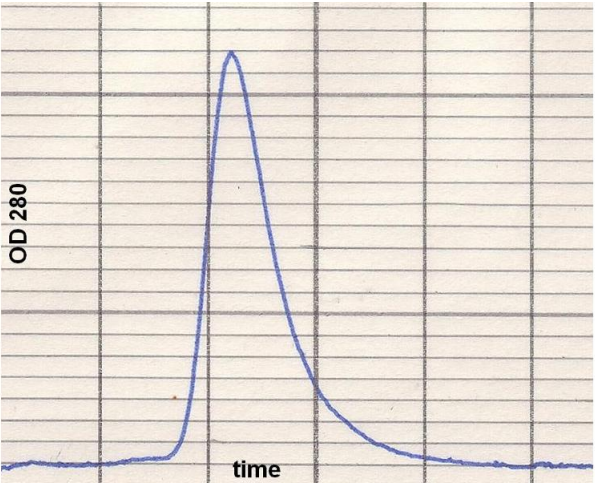


Image 3. product purity: gel permeation chromatography (Superose 12/HR)