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Datasheet for ABIN363691

Mouse anti-Human IgE (Fc Region) Antibody

2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	IgE
Binding Specificity:	Fc Region
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), Functional Studies (Func)

Product Details

Immunogen:	purified human myeloma IgE
Clone:	Le27-NBS01
Isotype:	IgG1 kappa
Specificity:	Human IgE, Fce4, no cross-reactivity with other human or murine Ab isotypes
Characteristics:	IGHE, chromosome 14q32.33
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
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Target Details

Abstract: [IgE Products](#)

Background: The antibody recognizes an epitope within the Ce4 domain of human IgE. It does not block the binding of IgE to its high affinity receptor on mast cells and basophils and is therefore suitable to detect receptor bound IgE. It can also be used as cross-linking agent for allergen-independent triggering of mast cells and basophils.

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 Le27), tested by ELISA binding to immobilized human Standard IgE (SUS-11)

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

Buffer: PBS, pH=7.2, 0.1 % 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: Monoclonal antibodies should not be stored at a temperature below -25 °C due to the aggregation effect of the protein.

Storage: 4 °C

Publications

Product cited in: Rudolf, Zuercher, Nechansky, Ruf, Vogel, Miescher, Stadler, Kricek: "Molecular basis for nonanaphylactogenicity of a monoclonal anti-IgE antibody." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 165, Issue 2, pp. 813-9, (2000) ([PubMed](#)).

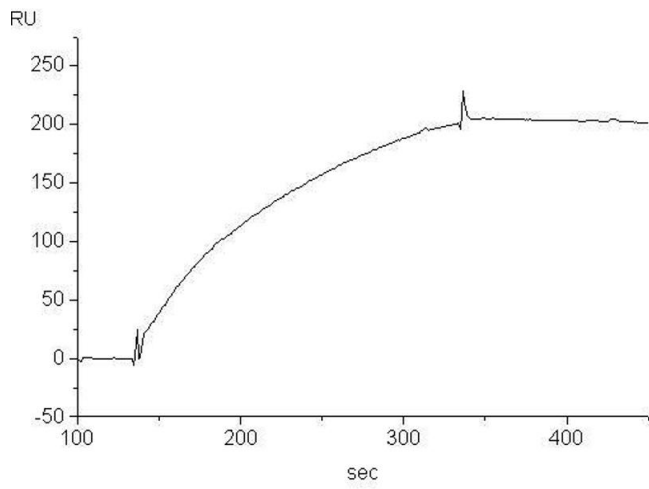


Image 1. Target binding kinetics (Biacore), Binding to human IgE (SUS-11)

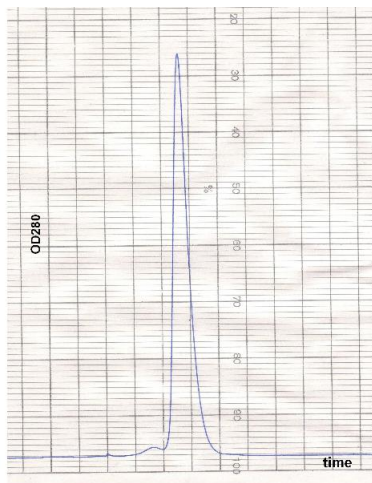


Image 2. product purity: gel permeation chromatography (Superose 12/HR)