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12-90416: Anti-IL13 antibody(1A1), IgG1 Chimeric mAb

Clonality :	Monoclonal
Clone Name :	1A1
Application :	ELISA
Reactivity :	Human
Gene :	IL13
Uniprot ID :	P35225
Alternative Name :	IL-13;NC30
Isotype :	Rabbit/Human Fc chimeric IgG1

Description

This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq, Jul 2008]

Product Info

Amount :	100 µg / 10 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % ? 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage condition :	Store at -20?C to -80?C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80?C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Application Note

ELISA 1/5000-10000

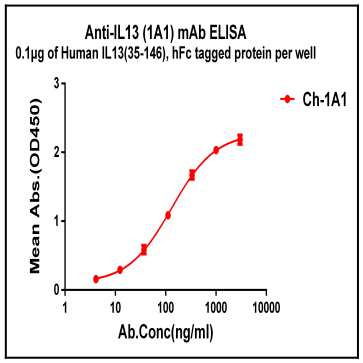


Figure 1. ELISA plate pre-coated by 1 ?g/ml (100 ?l/well) Human IL13(35-146), hFc tagged protein can bind Rabbit anti-IL13 monoclonal antibody(clone: 1A1) in a linear range of 20-500 ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.