

PRODUCT INFORMATION

Clone ID 2A2
Target IL4

Synonyms BSF1;BCGF1;BSF-1;BCGF-1;IL-4

Host Species Rabbit

Description Anti-IL4 antibody(2A2), Rabbit mAb

Delivery In Stock
Uniprot ID P05112
IgG type Rabbit IgG
Clonality Monoclonal
Reactivity Human
Applications ELISA

Recommended Dilutions

ELISA 1/5000-10000

Purification Purified from cell culture supernatant by affinity

chromatography

Formulation & Reconstitution

Stitution Powder

Storage & Shipping

lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). The protein encoded by this gene is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. IL4 is considered an important cytokine for tissue repair,

Store at -20°C to -80°C for 12 months in

Background

counterbalancing the effects of proinflammatory type 1 cytokines, however, it also promotes allergic airway inflammation. Moreover, IL-4, a type 2 cytokine, mediates and regulates a variety of human host responses such as allergic, antiparasitic, wound healing, and acute inflammation. This cytokine has been reported to promote resolution of neutrophil-mediated acute lung injury. In an allergic response, IL-4 has an essential role in the production of allergenspecific immunoglobin (Ig) E. This proinflammatory cytokine has been observed to be increased in COVID-19 (Coronavirus disease 2019) patients, but is not necessarily associated with severe COVID-19 pathology. Two alternatively spliced transcript variants of this

with severe COVID-19 pathology. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Aug 2020]

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Usage Research use only

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Conjugate

Unconjugated

Anti-IL4 antibody(2A2), Rabbit mAb ELISA 0.1µg of Human IL4, His tagged protein per well

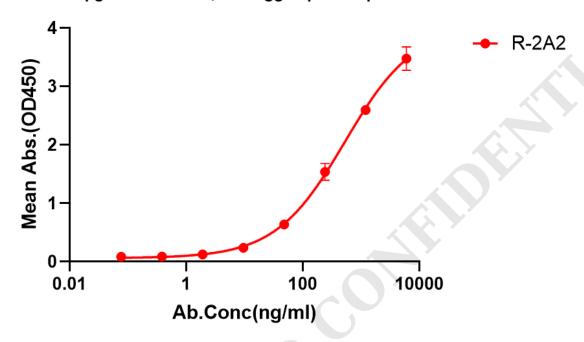


Figure 1. ELISA plate pre-coated by 1 μ g/ml (100 μ l/well) Human IL4 Protein, His Tag can bind Rabbit anti-IL4 monoclonal antibody(clone: 2A2) in a linear range of 48-6000 ng/ml.

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