

For Research Use Only

IL-4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83894-1-PBS



Basic Information

Catalog Number:

83894-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC070123

GeneID (NCBI):

3565

UNIPROT ID:

P05112

Full Name:

interleukin 4

Calculated MW:

153 aa, 17 kDa

Purification Method:

Protein A purification

CloneNo.:

240794A8

Applications

Tested Applications:

IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:

human

Background Information

IL4 is a cytokine produced by CD4+ T cells in response to helminthes and other extracellular parasites. It promotes the proliferation and differentiation of antigen presenting cells. IL4 also plays a pivotal role in antibody isotype switching and stimulates the production of IgE. This cytokine has been applied in the treatment of autoimmune disorder like multiple myeloma, cancer, psoriasis, and arthritis. IL4 has also been extensively applied to inhibit detrimental effect of Th1. It may promote the growth of epithelial tumors by mediating increased proliferation and survival.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

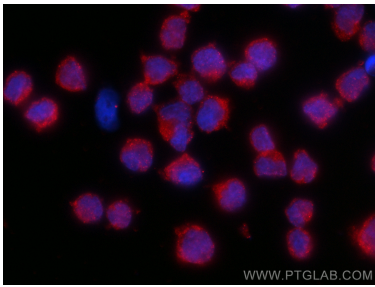
T: 4006900926

E: Proteintech-CN@ptglab.com

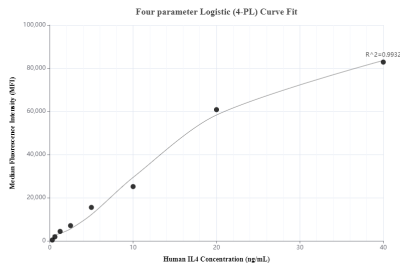
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

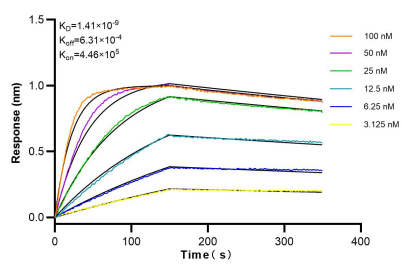
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using IL-4 antibody (83894-1-RR, Clone: 240794A8) at dilution of 1:400 and CoraLite® 594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4). This data was developed using the same antibody clone with 83894-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00829-1, IL-4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83894-1-PBS. Detection antibody: 83894-4-PBS. Standard: Eg0104. Range: 0.313-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83894-1-RR against Human IL-4 were performed. The affinity constant is 1.41 nM.