

IL-13 Recombinant antibody

Catalog Number: 83935-1-RR

Basic Information

Catalog Number:

83935-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_053828.1

GeneID (NCBI):

116553

UNIPROT ID:

P42203

Full Name:

interleukin 13

Calculated MW:

14kDa

Observed MW:

12 kDa

Purification Method:

Protein A purification

CloneNo.:

240771B9

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse, rat

Positive Controls:

WB : PMA, Ionomycin and Brefeldin A treated EL-4 cells,

Background Information

Rat IL-13 is a kind of cytokines, which plays important roles in allergic inflammation and immune response to parasite infection. (PubMed:9366558). Rat IL-13 displays the capacity to antagonize Th1-driven proinflammatory immune response and downregulates synthesis of many proinflammatory cytokines including IL1, IL6, IL10, IL12 and TNF-alpha through a mechanism that partially involves suppression of NF-kappa-B (PubMed:9366558).

Storage

Storage:

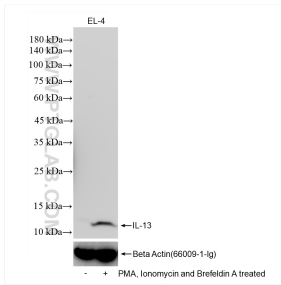
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

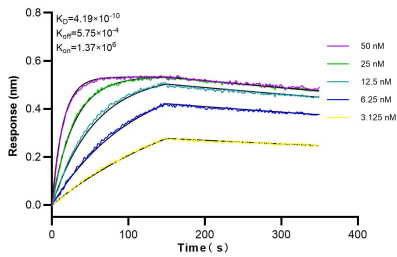
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Untreated EL-4 and EL-4 (treated with 50ng/mL PMA and Ionomycin 500ng/mL for 6h, replaced the culture medium with Brefeldin A for 18 hours) cells were subjected to SDS PAGE followed by western blot with 83935-1-RR (IL-13 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83935-1-RR against Rat IL-13 were performed. The affinity constant is 0.419 nM.