

IL-23 p19 Recombinant monoclonal antibody

Catalog Number: 85947-3-RR

Basic Information

Catalog Number:

85947-3-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

HZ-1254

GenBank Accession Number:

GeneID (NCBI):

51561

UNIPROT ID:

Q9NPF7

Full Name:

interleukin 23, alpha subunit p19

Observed MW:

21 kDa

Purification Method:

Protein A purification

CloneNo.:

252904G4

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : PMA, LPS and Brefeldin A treated THP-1 cells,

Background Information

Interleukin 23 (IL-23) is a member of the IL12 cytokine family and composed of two subunits, IL12p40 and IL23p19. It is produced by antigen presenting cells and has been shown to promote the production and survival of a distinct lineage of T-cells called TH17 cells. A functional receptor for IL-23 (the IL-23 receptor) has been identified and is composed of IL-12R β 1 and IL-23R. IL-23 is expressed chiefly by the macrophages and DCs. The IL-23R is found on memory T cells, NKT cells, macrophages, DCs, and naive T cells upon activation by TGF- β and IL-6. The main biological effects of IL-23 identified initially consist of stimulation of antigen presentation by DCs, T cell differentiation to Th17 cells, and production of interferon- γ (IFN- γ). IL-23 acts also as an end-stage effector cytokine through direct action on macrophages.

Storage

Storage:

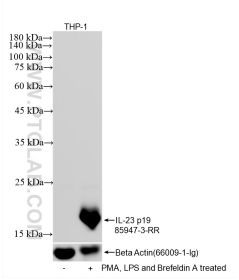
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



PMA, LPS and Brefeldin A treated THP-1 cells were subjected to SDS PAGE followed by western blot with 85947-3-RR (IL-23 p19 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.