

For Research Use Only

# IL-23R Recombinant antibody

Catalog Number: 83918-3-RR



## Basic Information

Catalog Number:

83918-3-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

209590

UNIPROT ID:

Q8K4B4

Full Name:

interleukin 23 receptor

Calculated MW:

73 kDa

Observed MW:

73 kDa

Purification Method:

Protein A purification

CloneNo.:

240989A12

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : K-562 cells, Jurkat cells, RAW 264.7 cells

## Background Information

Interleukin-23 receptor (IL-23R) is a type I cytokine receptor that plays a critical role in immune responses and inflammation. It forms a receptor complex with IL-12Rβ1 and is activated by the cytokine IL-23, which is primarily produced by dendritic cells and activated macrophages (PMID: 39796684). The genetic and epigenetic interactions in the IL-23R/IL-17 axis are associated with elevated expression of IL-17 and inflammatory bowel disease (IBD) pathogenesis (PMID: 21672939).

## 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

\*\*\* 20ul sizes contain 0.1% BSA

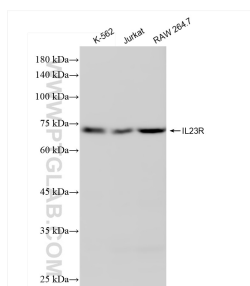
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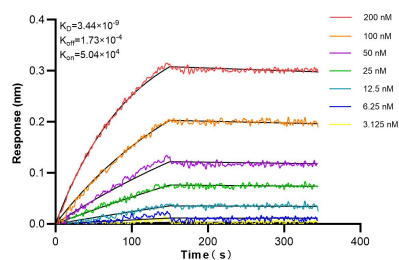
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83918-3-RR (IL23R antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83918-3-RR against Mouse IL-23R were performed. The affinity constant is 3.44 nM.