

For Research Use Only

SOCS3 Recombinant antibody

Catalog Number: 85155-4-RR



Basic Information

Catalog Number:

85155-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5170

GenBank Accession Number:

BC060858

GeneID (NCBI):

9021

UNIPROT ID:

O14543

Full Name:

suppressor of cytokine signaling 3

Calculated MW:

25 kDa

Observed MW:

25-30 kDa

Purification Method:

Protein A purification

CloneNo.:

242809D7

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, CTLL-2 cells

Background Information

The suppressor of cytokine signaling (SOCS) family proteins are negative feedback system that inhibits cytokine signal transduction. One of the SOCS family, SOCS3, also named CIS3 and SSI3, is involved in inhibition of JAK/STAT pathway which regulates IL-6 signaling in vivo. SOCS3 can be rapidly trigger by a number of factors including interleukins, IFN-gamma and TNF-alpha. Pathology such as inflammatory response, wound repair and obesity and so on have been linked to SOCS3. Observed MW of SOCS3 is from 22-30 kDa (PMID: 24827536, PMID: 26260587, PMID: 26797799).

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

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

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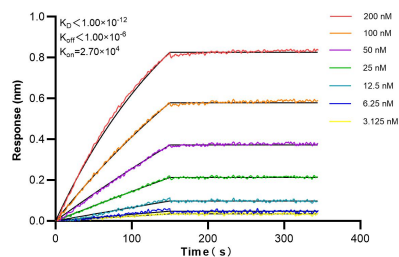
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85155-4-RR (SOCS3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85155-4-RR against Human SOCS3 were performed. The affinity constant is below 1 pM.