Il-27 Antibody (alpha subunit) (RQ4400)

Catalog No.	Formulation	Size
RQ4400	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q8K3I6
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml (recombinant mouse protein) (BSA-free format available)
Limitations	This Il-27 antibody is available for research use only.



Western blot testing of rat NRK cell lysate with Il-27 antibody at 0.5ug/ml. Predicted molecular weight ~27 kDa.

Description

Interleukin 27 (IL-27) is a member of the IL-12 cytokine family. The protein encoded by this gene is one of the subunits of a heterodimeric cytokine complex. This protein is related to interleukin 12A (IL12A). It interacts with Epstein-Barr virus induced gene 3 (EBI3), a protein similar to interleukin 12B (IL12B), and forms a complex that has been shown to drive rapid expansion of naive but not memory CD4(+) T cells. The complex is also found to synergize strongly with interleukin 12 to trigger interferon gamma (IFNG) production of naive CD4(+) T cells. The biological effects of this cytokine are mediated by the class I cytokine receptor (WSX1/TCRR).

Application Notes

Optimal dilution of the Il-27 antibody should be determined by the researcher.

Immunogen

A mouse partial recombinant protein corresponding to amino acids F29-S234 was used as the immunogen for the Il-27 antibody.

Storage

After reconstitution, the Il-27 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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