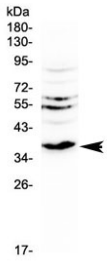
Il12 p40 Antibody / Il-12b (R32887)

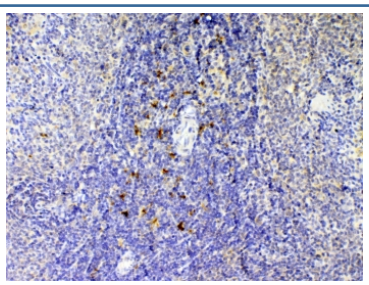
Catalog No.	Formulation	Size
R32887	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	E9PU71
Applications	Western Blot: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml Direct ELISA (recombinant rat protein): 0.1-0.5ug/ml (BSA-free format available)
Limitations	This Il12 p40 antibody is available for research use only.



Western blot testing of rat kidney tissue with Il12 p40 antibody at 0.5ug/ml. Predicted molecular weight 37-40 kDa.



IHC testing of FFPE rat spleen tissue with Il12 p40 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

Subunit beta of interleukin 12 (IL12B), also known as interleukin 12B, or interleukin-12 subunit p40, is a subunit of human interleukin 12. It is mapped to 5q33.3. This cytokine is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. This cytokine has been found to be important for sustaining a sufficient number of memory/effector Th1 cells to mediate long-term protection to an intracellular pathogen. Overexpression of this gene was observed in the central nervous system of patients with multiple sclerosis (MS), suggesting a role of this cytokine in the pathogenesis of the disease.

Application Notes

Optimal dilution of the Il12 p40 antibody should be determined by the researcher.

Immunogen

A recombinant rat protein corresponding to amino acids M23-E250 was used as the immunogen for the Il12 p40 antibody.

Storage

After reconstitution, the Il12 p40 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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