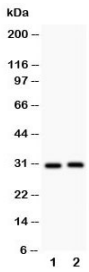
IL-1b Antibody (R30609)

Catalog No.	Formulation	Size
R30609	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 and 0.025% sodium azide/thimerosal
UniProt	Q63264
Applications	Western blot: 0.5-1ug/ml ELISA: 0.1-0.5ug/ml (rat protein tested); request BSA free format for coating
Limitations	This IL-1b antibody is available for research use only.



Western blot testing of IL-1b antibody and Lane 1: rat spleen; 2: rat thymus; Predicted molecular weight ~31 kDa.

Description

Interleukin-1 beta, also know as catabolin, is a cytokine protein that in humans is encoded by the IL1B gene, which localizes to the long arm of chromosome 2 at position 2q13-2q21 between two fragile sites. Interleukin 1(IL-1) is a protein with several biological activities regulating host defense and immune responses. The human IL-1 family plays an important role in the pathogenesis of many diseases and functions as a key mediator of the host response to various infectious, inflammatory, and immunologic challenges.

For a complementary monoclonal clone with IHC and protein microarray specificity validation, see our IL1 beta Antibody IL1B/3993 / Interleukin 1 Beta Antibody page.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IL-1b antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of rat IL-1b (FLGNSNGRDIVDFTM) was used as the immunogen for this IL-1b antibody.

Storage

After reconstitution, the IL-1b 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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