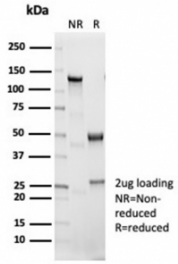
Recombinant IL1 beta Antibody / IL1B [clone IL1B/7049R] (V9558)

Catalog No.	Formulation	Size
V9558-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9558-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9558SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	IL1B/7049R
Purity	Protein A/G affinity
UniProt	P01584
Localization	Cytoplasm, Extracellular (secreted)
Applications	ELISA (order BSA-free Format For Coating) : Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant IL1 beta antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free recombinant IL1 beta antibody (clone IL1B/7049R) as confirmation of integrity and purity.

Description

This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form

by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.

Application Notes

Optimal dilution of the recombinant IL1 beta antibody should be determined by the researcher.

Immunogen

A recombinant protein fragment was used as the immunogen for the recombinant IL1 beta antibody.

Storage

Aliquot the recombinant IL1 beta antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.