

## Anti-IL-1 beta Antibody (4V986)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4V986
Purification:	Protein A

## Applications

Verified Activity:	1. Immunochemical staining of human IL1b in human lung with mouse monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
	2. Immunochemical staining of human IL1b in human liver (from 2 donors) with mouse monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
Application:	ELISA,IHC-P
Recommended	ELISA: 1:1000-1:2000; IHC-P: 1:100-1:500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human IL-1 beta / IL1B Protein (TMPY-01999)
Antigen Species:	Human
Biology Area:	Neuroinflammation

## Research Background

Interleukin-1 beta (IL1 beta or IL1B) also known as catabolin, is a member of the interleukin 1 cytokine family. IL1 is a pleiotropic cytokine. It is involved in the inflammatory response, cell growth, and tissue repair in the cortex. The IL1 superfamily consists of three members, IL1A (IL1 alpha), IL1B (IL1 beta), and IL1 receptor antagonist (IL1Ra). In clinical, it has been reported that Interleukin (IL)-1 may influence Th1 / Th2 immune responsiveness and has been implicated in the establishment of a successful pregnancy. Proinflammatory interleukin (IL)-1 gene polymorphisms associated with high levels of IL-1beta activity increase the risk for hypochlorhydria and distal gastric carcinoma. IL1B polymorphisms may be involved in susceptibility to SSc. Moreover, the IL2-384-G allele may be a marker for the limited phenotype of systemic sclerosis (SSc).Cancer ImmunotherapyImmune CheckpointImmunoTherapyTargeted Therapy

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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