

## Anti-IL-1 alpha/IL1A Antibody

Catalog Number: A01144-3

### About IL1A

Interleukin-1alpha (IL-1 alpha) is a protein that plays a crucial role in the regulation of a number of key cellular processes. IL-1 Alpha is a cytokine and a potent mediator of body's response to inflammation, microbial invasion, tissue injury and immunological response. In addition, recent studies suggest that IL-1 Alpha also has a role in wound healing, rheumatoid arthritis, Alzheimer's disease and tumor growth. IL-1 Alpha functions as an alarmin during the process of sterile inflammation. It serves as a signal from dying cells to potentiate the inflammatory response, increasing the expression of other secreted factors like IL-6 and IL-8. IL-1 Alpha was found to affect the cell cycle of osteosarcoma cell to reduce cell growth. IL-1 Alpha is initially translated as approximately 30-kD polypeptides that are processed to approximately 17.5-kD polypeptides prior to, or during, release from macrophages.

### Overview

Product Name	Anti-IL-1 alpha/IL1A Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-IL-1 alpha/IL1A Antibody catalog # A01144-3. Tested in WB, IHC, ICC, IF, ELISA applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P01583

### Technical Details

Immunogen	E.coli-derived human IL-1 alpha/IL1A recombinant protein (Position: K3-N269).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.

Suggested Dilutions

Western blot, 1:500-2000  
Immunohistochemistry, 1:50-400  
Immunocytochemistry/Immunofluorescence, 1:50-400  
ELISA, 1:100-1000

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**Anti-IL-1 alpha/IL1A Antibody**

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