

Product Datasheet

IL-1 alpha/IL-1F1 Antibody - BSA Free

NBP1-77882-0.25mg

Unit Size: 0.25 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NBP1-77882-0.25mg

IL-1 alpha/IL-1F1 Antibody - BSA Free

Product Information

Unit Size	0.25 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Whole Antiserum
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description

Description	Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
Host	Rabbit
Gene ID	3552
Gene Symbol	IL1A
Species	Human
Reactivity Notes	This antibody is primarily directed against the 17,000 MW human IL-1 alpha/IL-1F1 and is useful in determining its presence in various assays. In general, this antibody also detects primate IL-1 alpha/IL-1F1 in the same formats using similar dilutions. The antiserum does not recognize human IL-1b or Mouse or Rabbit IL-1 alpha/IL-1F1.
Specificity/Sensitivity	This antibody is primarily directed against the 17,000 MW human IL-1 alpha/IL-1F1 and is useful in determining its presence in various assays. In general, this antibody also detects primate IL-1 alpha/IL-1F1 in the same formats using similar dilutions. The antiserum does not recognize human IL-1b or Mouse or Rabbit IL-1 alpha/IL-1F1. In ELISA formats and other immunoreactive assays, this antibody will recognize both the mature 17,000 MW IL-1 alpha/IL-1F1 as well as the 31,000 MW IL-1 alpha/IL-1F1 precursor in either non-denatured (native) or denatured samples. Unlike the IL-1b precursor, the native precursor of IL-1 alpha/IL-1F1 is recognized by the antibody produced to the 17,000 MW form. The 31,000 precursor of IL-1 alpha/IL-1F1 is biologically active and is found primarily intracellularly. The precursor of IL-1 alpha/IL-1F1, unlike that of IL-1b, is biologically active when applied to cells and is thought to have a role as a functional molecule intracellularly and can be found constitutively expressed in various cell. This antibody is also useful for neutralization of human and primate IL-1 alpha/IL-1F1 activity in bioassays. It does not neutralize the biological activity IL-1b. It does not neutralize the biological activity of mouse, rat or rabbit IL-1 alpha/IL-1F1. It will neutralize primate IL-1a. For neutralization, it is recommended to incubate the sample with a 1:100 dilution of the antibody for at least 4 hours before being tested. A control of similarly diluted normal rabbit IgG is recommended. This antibody can be used for FACS analysis. Caution should be exhibited as the F(c) domain of the rabbit IgG molecule may interact with cells non-specifically.



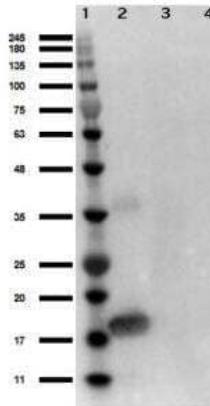
Immunogen	IL-1 alpha/IL-1F1 antibody was prepared by repeated immunizations with recombinant human IL-1 alpha/IL-1F1 produced in E.coli. The MW of the recombinant IL-1 alpha/IL-1F1 was 17,000. This is the cleavage site generated by the IL-1b converting enzyme (ICE, capase-1). (Uniprot: P01583.1)
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Product Application Details

Applications	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:10 - 1:1000, ELISA 1:1000-1:5000, Immunohistochemistry 1:100-1:200, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	This IgG fraction antibody of This product has been tested for use in immunoblotting. This antibody is suitable for use in ELISA, neutralizations, immunohistochemistry, and flow cytometry. It recognizes the 17,000 MW mature IL-1a. Reactivity in other immunoassays is unknown.

Images

Western Blot: IL-1 alpha/IL-1F1 Antibody [NBP1-77882] - Analysis of Rabbit Anti-Human IL-1 alpha Antibody. Lane 1: Opal Prestained Molecular Weight Ladder. Lane 2: IL-1 alpha 50ng. Lane 3: MEF WC lysate 10ng. Lane 4: MEF LPS stimulated 10ng. Blocking: BlockOut Buffer. Primary Antibody: Anti-IL-1a. Secondary Antibody: Goat anti-Rabbit HRP.





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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-35227-100ug	Recombinant Rat IL-1 alpha/IL-1F1 Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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