

Anti-IL-1 alpha/IL-1A Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat)
Molecular Weight:	Theoretical: 17, 31 kDa. Actual: 31 kDa.
Purification:	Protein A purified

Applications

1. Sample:

Cerebrum (Mouse) Lysate at 40 µg

Primary: Anti-IL-1 Alpha (TMAB-00931) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 17/31 kDa

Observed band size: 31 kDa

2. Sample:

Lver (Mouse) Lysate at 40 µg

Primary: Anti-IL-1 Alpha (TMAB-00931) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 17/31 kDa

Observed band size: 31 kDa

Verified Activity:

3. Blank control: Raw264.7. Primary Antibody (green line): Rabbit Anti-IL-1 Alpha antibody (TMAB-00931)

Dilution: 1 µg/10⁶ cells;

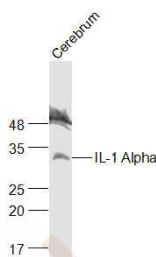
Isotype Control Antibody (orange line): Rabbit IgG.

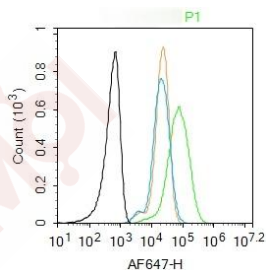
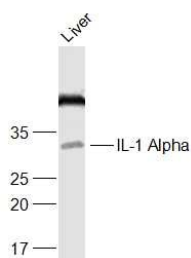
Secondary Antibody: Goat anti-rabbit IgG-AF647

Dilution: 1 µg/test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.





Application: FCM,WB

Recommended WB: 1:500-2000; FCM: 1ug/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: rat IL-1 Alpha

Antigen Species: Rat

Gene ID: 24493

Uniprot ID: P16598

Synonyms: IL-1 α /IL1A;interleukin 1, α ;interleukin 1, alpha

Research Background

Interleukins (ILs) are a large group of cytokines that are produced mainly by leukocytes, although some are produced by certain phagocytes and auxiliary cells. Each IL acts on a specific, limited group of cells through a receptor specific for that IL. Interleukin 1 (IL1), originally known as lymphocyte activating factor (LAF), activates T cells and lymphocytes, which then proliferate and secrete interleukin 2. IL1 is primarily released from stimulated macrophages and monocytes, but also is released from several other cell types and is thought to play a key role in inflammatory and immune responses. The two closely related agents, interleukin 1 alpha (IL1 alpha) and interleukin 1 beta (IL1 beta) bind to the same cell surface receptor, elicit nearly identical biological responses and share 25% homology in their amino acid sequence.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481