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32-12128: Mouse Interleukin-1 alpha

Gene : Il1a
Gene ID : 16175
Uniprot ID : P01582

Description

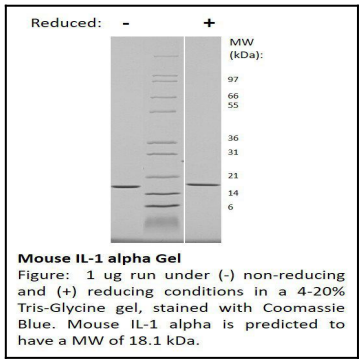
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 18.1 kDa (157 aa)
Interleukin 1 alpha (IL-1alpha) is expressed by epithelial cells, activated macrophages, neutrophils, and endothelial cells to regulate immune responses. IL-1alpha signals through the IL-1 receptor, type 1 (IL-1R1) to activate the myeloid differentiation primary response 88 (MYD88) signaling pathway, which contains the cytoplasmic Toll/IL-1 receptor (TIR) domain adapter. IL-1alpha and the independently regulated IL-1beta protein have overlapping proinflammatory activities to induce adhesion molecule expression on epithelial cells, control fever induction, initiate rheumatoid arthritis, and promote septic shock.

Product Info

Amount :	20 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MSAPYTYQSD LRYKLMKLVR QKFVMNDSLN QTIYQDVDKH YLSTTWLNDL QQEVKFDMYA YSSGGDDSKY PVTLKISDSQ LFVSAQGEDQ PVLLKELPET PKLITGSETD LIFFWKSINS KNYFTSAAYP ELFIATKEQS RVHLARGLPS MTDFQIS

Application Note

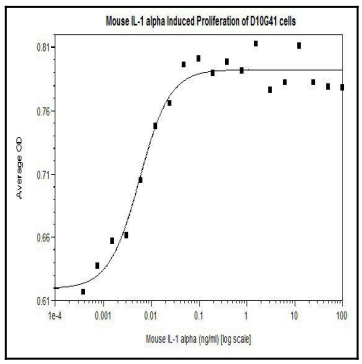
Endotoxin: Less than 0.1 ng/Ã‚Âµg (1 IEU/Ã‚Âµg) as determined by LAL test.
Biological Activity was determined by D10.G4.1 Proliferation. at <=10 pg/mL; >= 1.0 x 10^8 units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Ã‚Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.



Mouse IL-1 alpha Gel
Figure: 1 ug run under (-) non-reducing and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IL-1 alpha is predicted to have a MW of 18.1 kDa.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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