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32-17198: Recombinant human IL1B protein with C-terminal human Fc tag

Alternative Name : IL-1; IL1-BETA; IL1F2

Description

Expression Host : HEK293
The protein has a predicted molecular mass of 42.35 kDa after removal of the signal peptide.
The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.

Product Info

Amount :	50 µg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

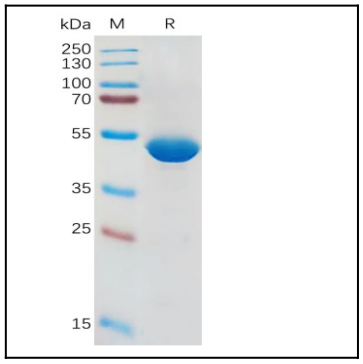


Fig.1: Human IL1B Protein, hFc Tag on SDS-PAGE under reducing condition.

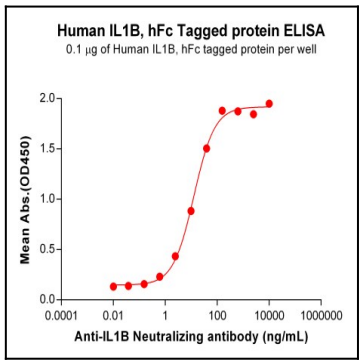


Fig.2: ELISA plate pre-coated by 1 Î¼g/mL (100 Î¼L/well) Human IL1B Protein, hFc Tag (32-17198) can bind Anti-IL1B Neutralizing antibody (12-2004) in a linear range of 0.61-156.25 ng/mL.

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