

Mouse Interleukin 1 beta (IL-1 beta) ELISA Kit (2 plates)

Catalogue No.: BEK-2151-2P

Description: The mouse Interleukin 1 beta (IL-1b) Kit is a sandwich ELISA. The capture antibody is a monoclonal mouse IL-1b antibody pre-coated onto the 96-well strip plates provided in the kit. Mouse test samples and standards of known IL-1b concentration are added to these wells and allowed to complex with the bound IL-1b antibody. A biotinylated mouse IL-1b polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of IL-1b present in the samples. The purpose of this kit is the in-vitro quantitative determination of mouse IL-1b in samples such as sera, plasma, cell lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

Batch No.: See product labels

Other Names: Interleukin-1b; IL-1b; IL1b;

Specificity: Mouse IL-1b

Storage: Store at 4°C

Specific References: Kunos, G, Jourdan T, Michael P, Aouadi M (2016), Glucan-Encapsulated siRNA for Treating Type 2 Diabetes Mellitus. US Patent Application 20160138028

Jourdan T, Godlewski G, Cinar R, Bertola A, Szanda G, Liu J, Tam J, Han T, Mukhopadhyay B, Skarulis MC, Ju C, Aouadi M, Czech MP, Kunos G. (2013) Activation of the Nlrp3 inflammasome in infiltrating macrophages by endocannabinoids mediates beta cell loss in type 2 diabetes. Nat. Med Sep;19(9):1132-40 2013 [E print]

Kit components: The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.

Range: 12.5 pg/ml - 800 pg/ml

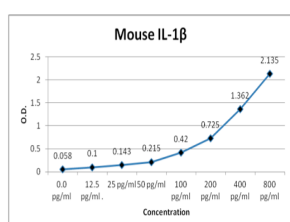
Sensitivity: < 1 pg/ml

Kit protocol: Please refer to our online product listing for current protocol/MSDS versions.

IX: Typical Standard Curve (for reference only, not to be used for actual data)

Concentration pg/ml	0.0	12.5	25	50	100	200	400	800
O.D.	0.058	0.100	0.143	0.215	0.420	0.725	1.362	2.135

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.



FOR RESEARCH USE ONLY