



## Human MIP-1 alpha ELISA Kit (2 plates)

|                             |   |
|-----------------------------|---|
| <b>Catalogue No.:</b>       | BEK-2064-2P   |
| <b>Description:</b>         | The human MIP-1 alpha (MIP-1a) Kit is a sandwich ELISA. The capture antibody is a monoclonal human MIP-1a antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known MIP-1a concentration are added to these wells and allowed to complex with the bound MIP-1a antibody. A biotinylated human MIP-1a 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 MIP-1a present in the samples. The purpose of this kit is the in-vitro quantitative determination of human MIP-1a in samples such as sera, plasma, tissue 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. |
| <b>Batch No.:</b>           | See product labels  |
| <b>Other Names:</b>         | C-C motif chemokine 3; Small-inducible cytokine A3; Macrophage inflammatory protein 1-alpha; tonsillar lymphocyte LD78 alpha protein; G0/G1 switch regulatory protein 19-1; CCL3; G0S19-1; MIP1A; SCYA3;  |
| <b>Accession:</b>           | P10147 CCL3_HUMAN;  |
| <b>Specificity:</b>         | Human MIP-1 alpha   |
| <b>Storage:</b>             | Store at 4°C  |
| <b>Specific References:</b> | Saldaña L, Vallés G, Bensiamar F, Mancebo FJ, García-Rey E, Vilaboa N (2017) Paracrine interactions between mesenchymal stem cells and macrophages are regulated by 1,25-dihydroxyvitamin D3. <i>Sci Rep.</i> 7(1):14618.<br><br>Cifuentes SC, Bensiamar F, Gallardo-Moreno AM, Osswald TA, González-Carrasco JL, Benavente R, González-Martín ML, García-Rey E, Vilaboa N, Saldaña L (2015) Incorporation of Mg particles into PDLLA regulates mesenchymal stem cell and macrophage responses. <i>J Biomed Mater Res A.</i> doi: 10.1002/jbm.a.35625.  |
| <b>Kit components:</b>      | The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.   |
| <b>Range:</b>               | 31.2 pg/ml - 2,000 pg/ml  |
| <b>Sensitivity:</b>         | < 10 pg/ml  |
| <b>Kit protocol:</b>        | Please refer to our online product listing for current protocol/MSDS versions.  |

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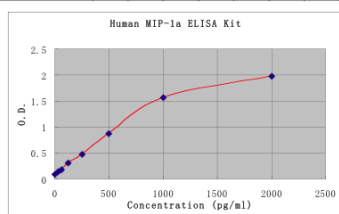
FOR RESEARCH USE ONLY



## Human MIP-1 alpha ELISA Kit (2 plates)

**Typical Human MIP-1 alpha ELISA Kit Standard Curve**  
(TMB reaction incubated at 37°C for 15 min)

| Concentration (pg/ml) | 0.0   | 31.2  | 62.5  | 125   | 250   | 500   | 1000  | 2000  |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| O.D.                  | 0.096 | 0.140 | 0.179 | 0.312 | 0.469 | 0.878 | 1.562 | 1.971 |



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

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