



Catalogue No.:	-
Description:	THIS PRODUCT IS TEMPORARILY OUT OF STOCK. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. The mouse Insulin-like growth factor I (IGF-I) Kit is a sandwich ELISA. The capture antibody is pre-coated onto the 96-well strip plates provided in the kit. Mouse test samples and standards of known IGF-I concentration are added to these wells and allowed to complex with the bound IGF-I antibody. A biotinylated anti-mouse IGF-I 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 IGF-I present in the samples. The purpose of this kit is the in-vitro quantitative determination of mouse IGF-I 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.
Batch No.:	See product labels
Antigen:	The recombinant immunogen and standard used in this ELISA was manufactured in an E.coli expression systems and consists of amino acids 49-118 of mouse IGF-1 protein.
Other Names:	IGF-I; IGF1; IGF1; IGF1; Insulin-like growth factor-1;
Accession:	P05017 IGF1_MOUSE;
Specificity:	Mouse Insulin-like growth factor I
Cross-reactivity:	No detectable cross-reactivity with IGF-2.
Storage:	Store at 4°C
Specific References:	Hutton CP, D'Arcy N, Rosa E, Lemon JA, Rollo CD, Boreham DR, Fahnestock M, deCatanzaro D, Wojtowicz JM, Becker S (2015) Synergistic effects of diet and exercise on hippocampal function in chronically stressed mice. Neuroscience 308:180-93. doi: 10.10166.
Kit components:	The ELISA kit box contains 2 x 96 pre-coated strip plates, protein standards, detection reagents, substrate buffer and precise instructions.
Range:	62.5 pg/ml - 4,000 pg/ml
Sensitivity:	< 5 pg/ml
Kit protocol:	Please refer to our online product listing for current protocol/MSDS versions.

FOR RESEARCH USE ONLY