

Mouse Monoclonal Antibody to PGC-1alpha

Catalogue Number	sAP-0615
Target Molecule	Name: PGC-1alpha Aliases: PPARGC1A; LEM6; PGC1; PGC1A; PGC-1v; PPARGC1; PGC-1(alpha) MW: 91kDa Entrez Gene ID: 10891
Description	The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPARgamma, which permits the interaction of this protein with multiple transcription factors. This protein can interact with, and regulate the activities of, cAMP response element binding protein (CREB) and nuclear respiratory factors (NRFs). It provides a direct link between external physiological stimuli and the regulation of mitochondrial biogenesis, and is a major factor that regulates muscle fiber type determination. This protein may be also involved in controlling blood pressure, regulating cellular cholesterol homeostasis, and the development of obesity.
Immunogen	Purified recombinant fragment of human PGC-1alpha expressed in E. Coli. ;
Recitative Species	Human
Clone	MM1G8;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Diabetes Res Clin Pract. 2009 Dec;86(3):168-72. ; 2.Cell Metab. 2009 Sep;10(3):189-98. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**