

Mouse Monoclonal Antibody to GAD2

Catalogue Number	sAP-1179
Target Molecule	Name: GAD2 Aliases: GAD65 MW: 65.4kDa Entrez Gene ID: 2572
Description	This gene encodes one of several forms of glutamic acid decarboxylase, identified as a major autoantigen in insulin-dependent diabetes. The enzyme encoded is responsible for catalyzing the production of gamma-aminobutyric acid from L-glutamic acid. A pathogenic role for this enzyme has been identified in the human pancreas since it has been identified as an autoantibody and an autoreactive T cell target in insulin-dependent diabetes. This gene may also play a role in the stiff man syndrome. Alternative splicing results in multiple transcript variants that encode the same protein.;
Immunogen	Purified recombinant fragment of human GAD2 (AA: 1-100) expressed in E. Coli.
Reactive Species	Human;
Clone	MM5D9G9;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% 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; IHC: ; ICC: ; FCM:
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Histopathology. 2013 Sep;63(3):334-42. ; 2.Biol Psychiatry. 2012 Nov 1;72(9):734-43.;

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**