9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

GAD2 monoclonal antibody (M07), clone 3G3

Catalog Number: H00002572-M07

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant GAD2.

Clone Name: 3G3

Immunogen: GAD2 (AAI26328.1, 1 a.a. ~ 585 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MASPGSGFWSFGSEDGSGDSENPGTARAWCQVAQK
FTGGIGNKLCALLYGDAEKPAESGGSQPPRAAARKAA
CACDQKPCSCSKVDVNYAFLHATDLLPACDGERPTLA
FLQDVMNILLQYVVKSFDRSTKVIDFHYPNELLQEYNW
ELADQPQNLEEILMHCQTTLKYAIKTGHPRYFNQLSTG
LDMVGLAADWLTSTANTNMFTYEIAPVFVLLEYVTLKK
MREIIGWPGGSGDGIFSPGGAISNMYAMMIARFKMFP
EVKEKGMAALPRLIAFTSEHSHFSLKKGAAALGIGTDS
VILIKCDERGKMIPSDLERRILEAKQKGFVPFLVSATAG
TTVYGAFDPLLAVADICKKYKIWMHVDAAWGGGLLMS
RKHKWKLSGVERANSVTWNPHKMMGVPLQCSALLVR
EEGLMQNCNQMHASYLFQQDKHYDLSYDTGDKALQC
GRHVDVFKLWLMWRAKGTTGFEAHVDKCLELAEYLY
NIIKNREGYEMVFDGKPQHTNVCFWYIPPSLRTLEDNE
ERMSRLSKVAPVIKARMMEYGTTMVSYQPLGDKVNFF
RMVISNPAATHQDIDFLIEEIERLGQDL

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2572

Gene Symbol: GAD2

Gene Alias: GAD65, MGC161605, MGC161607

Gene Summary: 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. [provided by RefSeq]