

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GAD2/GAD65 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human GAD1/GAD67 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human GAD2/GAD65 Ala1-Ala150 Accession # Q05329
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Glutamic acid decarboxylases (GAD), which catalyze the formation of gamma-aminobutyric acid from L-glutamic acid, are detectable in different isoforms encoded by distinct genes. GAD2, also known as GAD65, is expressed in the brain and pancreatic islets. GAD2 has been implicated as an autoantigen in the autoimmune disease Stiff Man Syndrome and in insulin-dependent diabetes mellitus.

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