

Product Name: GAD2 Mouse Monoclonal Antibody
Catalog #: AMM81523



Summary

| | |
|------------------------|--------------------------------|
| Production Name | GAD2 Mouse Monoclonal Antibody |
| Description | Mouse Monoclonal Antibody |
| Host | Mouse |
| Application | ELISA |
| Reactivity | Human |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG1 |
| Clonality | Monoclonal |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | Purified antibody in PBS with 0.05% sodium azide |
| Purification | Affinity Purification |

Immunogen

| | |
|--------------------------|---|
| Gene Name | GAD2 |
| Alternative Names | GAD65 |
| Gene ID | 2572.0 |
| SwissProt ID | Q05329. Purified recombinant fragment of human GAD2 (AA: 1-100) expressed in E. Coli. |

Application

| | |
|-------------------------|---------------|
| Dilution Ratio | ELISA:1:10000 |
| Molecular Weight | 65.4kDa |

Background

This gene encodes one of several forms of glutamic acid decarboxylase, identified as a major autoantigen in insulin-

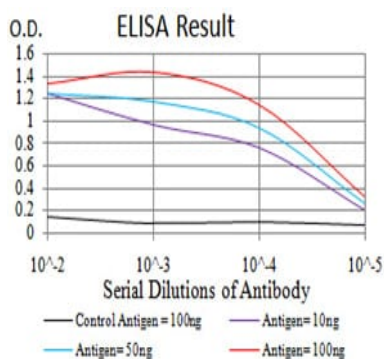
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dependent diabetes. The enzyme encoded is responsible for catalyzing the production of gamma-aminobutyric acid from L-glutamic acid. A pathogenic role for this enzyme has been identified in the human pancreas since it has been identified as an autoantibody 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.

Research Area

Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Note

For research use only.