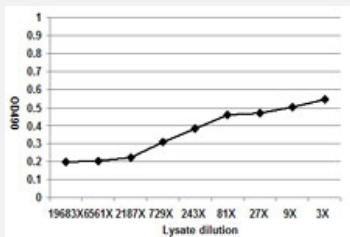


GAD2 (Human) Matched Antibody Pair

Catalog # H00002572-AP51

Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from approximately 2187x to 3x dilution of the GAD2 293T overexpression lysate (non-denatured).

Specification

Product Description

This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human GAD2.

Reactivity

Human

Quality Control Testing

Standard curve using GAD2 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 2187x to 3x dilution of the GAD2 293T overexpression lysate (non-denatured).

Supplied Product

Antibody pair set content:
 1. Capture antibody: mouse monoclonal anti-GAD2, IgG2a Kappa (100 ug)
 2. Detection antibody: rabbit purified polyclonal anti-GAD2 (50 ug)
 *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.

Storage Instruction

Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Transfected lysate)

[Protocol Download](#)

Gene Info — GAD2

Entrez GeneID [2572](#)

Gene Name GAD2

Gene Alias GAD65, MGC161605, MGC161607

Gene Description glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)

Omim ID [138275](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations Glutamate decarboxylase-2 (pancreas)|OTTHUMP00000019335|OTTHUMP00000019336|glutamate decarboxylase 2|glutamate decarboxylase 2 (pancreatic islets and brain, 65kD)

Pathway

- [Alanine](#)
- [beta-Alanine metabolism](#)
- [Butanoate metabolism](#)
- [Metabolic pathways](#)
- [Taurine and hypotaurine metabolism](#)
- [Type I diabetes mellitus](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)

- [Anorexia Nervosa](#)
- [Anxiety Disorders](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
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