

# Anti-Monkey GAD65/GAD2 mAb

Catalog No.: A28878

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

65 kDa

### Category

Primary antibody

### Applications

mIHC

### Cross-Reactivity

Cynomolgus monkey

### CloneNo number

AMC50127

## Background

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.

## Recommended Dilutions

mIHC 1:500-1:2000

## Immunogen Information

### Gene ID

2572

### Swiss Prot

Q05329

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

GAD65

## Contact

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## Product Information

### Source

Mouse

### Isotype

IgG1. Rabbit-derived mouse chimeric antibody

### Purification

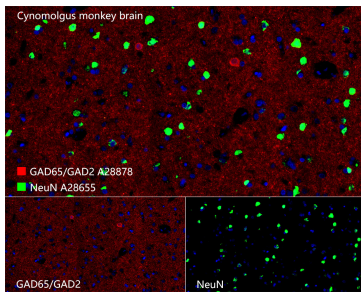
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

## Validation Data

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The multiplex IHC analysis on paraffin-embedded Cynomolgus monkey brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Anti-Monkey NeuN mAb (A28655, 1:2000) with TSA-TYR-520 (Green), and Anti-Monkey GAD65/GAD2 mAb (A28878, 1:1000) with TSA-TYR-570 (Red). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.