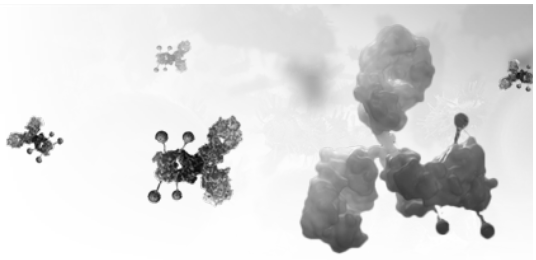

Recombinant Human GAD (DAG4556)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	Human
Purity	>90%
Conjugate	Unconjugated
Applications	ELISA &WB (titer need to be determined)
Molecular Weight	65 kDa
Recommended Usage	Application in indirect ELISA for coating procedure.
Format	Liquid
Size	1 mg
Buffer	20mM PB, pH 7.4
Preservative	None
Storage	Short term: 2-8°C; Long term: -20°C

BACKGROUND

Introduction	Glutamate decarboxylase or glutamic acid decarboxylase (GAD) is an enzyme that catalyzes the decarboxylation of glutamate to GABA and CO2. GAD uses PLP as a cofactor, In mammals, GAD exists in two isoforms encoded by two different genes - GAD1 and GAD2. These isoforms are GAD67 and GAD65 with molecular weights of 67 and 65 kDa, respectively. GAD1 and GAD2 are expressed in the brain where GABA is used as a neurotransmitter, GAD2 is also expressed in the pancreas.
Keywords	Glutamate decarboxylase; glutamic acid decarboxylase; GAD; GAD65-1; GAD65

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