



UNICUS Karlsburg OHG – Greifswalder Strasse 11d – 17495 Karlsburg
Tel.: +49 38355 68 487 Fax: +49 38355 68 489
E-Mail: info@unicus-karlsburg.de www.unicus-karlsburg.de

PRODUCT SPECIFICATION

MOUSE MONOCLONAL ANTIBODY REACTIVE WITH GLUTAMIC ACID DECARBOXYLASE 65KD (GAD65) – EPI TOPE REGION aa 4-17

CAT.-NO.	FORMAT	QUANTITY	NET PRICE
AB103A	Ammonium sulphate precipitated mouse IgG	100µg	170.00 €
AB103G	Affinity purified mouse IgG	100µg	247.00 €

Clon	61/8F9
Isotype	IgG1
Immunogen	Human recombinant GAD65
Reactivity	Reactive with the epitope region aa 4-17 of GAD65 (linear epitope at the N-terminus of GAD65). Striking binding to islets of cryosections of human, monkey, pig and rat pancreas but not on mouse pancreas. Not detectable on Bouin-fixed pancreatic tissues. Immunostaining of the Purkinje cell layer of the NOD mouse cerebellum. No binding to viable rat islet cell. Not cross reactive with GAD67.
Host	Mouse
Format	Liquid in PBS, pH 7.4, containing 0.9mg/ml sodium azide
Quantity	100µg
Concentration	0.5mg/ml
Application	Immunofluorescence, Immunoprecipitation, Radioimmunoassay, Western Blot
Short term storage	+4°C
Long term storage	-20°C
Use/Stability	Stable for at least 1 year when stored at +4°C
Handling	Avoid freeze/thaw cycles
Note	For <i>in vitro</i> research use only, not for therapeutic or diagnostic use.

References:

Ziegler B, Augstein P, Lühder F, Northemann W, Hamann J, Schlosser M, Klötting I, Michaelis D, Ziegler M: Monoclonal antibodies specific to the glutamic acid decarboxylase 65 kDa isoform derived from a non-obese diabetic (NOD) mouse. *Diabetes Research* 25 (1994) 47-64.

Augstein M, Schlosser M, Ziegler B, Hahmann J, Mauch L, Ziegler M: Comparison of the islet cell pattern of monoclonal glutamic acid decarboxylase antibodies recognizing linear and conformational epitopes. *Acta histochem* 98 (1996) 229-241.

Augstein P, Ziegler B, Schlosser M, Flassig S, Strebelow M, Ziegler M: Immunohistochemical differentiation of monoclonal GAD antibodies recognizing linear or conformational epitope regions. *Pancreas* 15 (1997) 139-146.

Ziegler B, Strebelow M, Rjasanowski I, Schlosser M, Ziegler M: A monoclonal antibody-based characterization of autoantibodies against glutamic acid decarboxylase in adults with latent autoimmune diabetes. *Autoimmunity* 28 (1998) 61-68.