



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

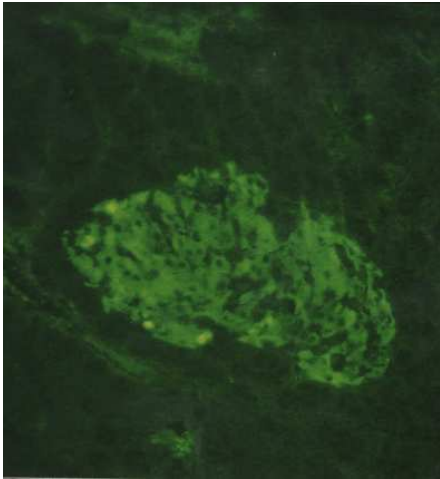
PRODUCT SPECIFICATION

MOUSE MONOCLONAL ANTIBODY REACTIVE WITH PROTEIN TYROSIN PHOSPHATASE (IA-2)

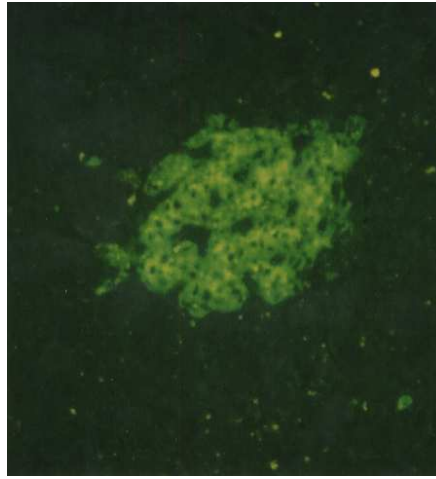
CAT.-NO.	FORMAT	QUANTITY	NET PRICE
AB110A	Ammonium sulphate precipitated mouse IgG	100µg	170.00 €
AB110G	Affinity purified mouse IgG	100µg	247.00 €

Clon	103/2C4
Isotype	IgG1
Immunogen	Human recombinant IA-2ic (cytoplasmic domain aa 603-979)
Reactivity	Reactive with the epitope region 771-979 of IA-2. The binding of the mc-IA-2-Abs were examined by immunoprecipitation assay using different IA-2 constructs. Suitable for the detection of non-insulin containing beta cells. The antibody performed well on formalin fixed, paraffin embedded sections from human, mouse and rat pancreas.
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, Westernblot
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, Seissler J, Schlosser M, Strebelow M, Morgenthaler N, Ziegler M: Monoclonal antibodies against tyrosine phosphatase recognize IDDM-associated IA2 epitopes at the N-terminus. Diabetologia 41 (1998) A101.
Ziegler B, Seissler J, Schlosser M, Strebelow M, Morgenthaler N, Ziegler M: Differenzierung der Typ-1-Diabetes-assoziierten IA2-Autoantikörper hinsichtlich ihrer submolaren Spezifität mittels muriner monoklonaler Antikörper. Diabetes und Stoffwechsel 7, Suppl. 1 (1998) 6.



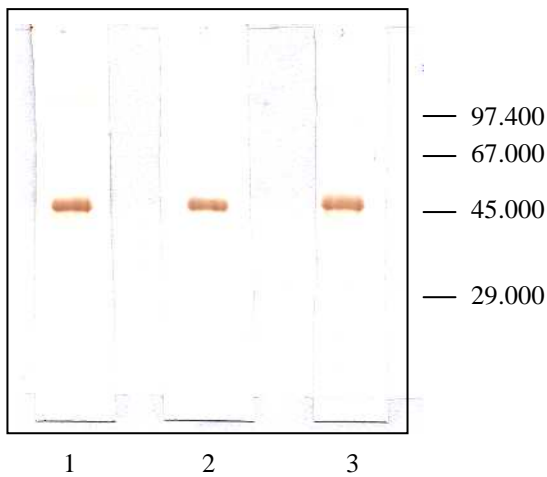
A



B

Striking binding of mc-IA-2-Ab as ICA on cryosections of human (A) and mouse (B) pancreas measured by indirect immunofluorescence.

Western blot of the monoclonal antibodies 97/4D9, 103/2C4 and 98/4H6



1: 97 / 4D9
 2: 103/2C4
 3: 98 / 4H6

IA-2 (intracellulare domain) was separated by SDS-PAGE according to Laemmli with 1.2µg IA-2 per antibody. The strips of the membrane were incubated with the monoclonal antibodies (0.1mg/0.2ml, diluted 1:100). Binding of the monoclonal antibodies was detected with Peroxidase-conjugated Rabbit Anti-Mouse IgG, Fc (gamma) Fragment and 3,3'-Diaminobenzidin tetrahydrochlorid was used as chromogen.