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Certificate of Analysis and Data Sheet

Mouse Anti-Glucose Transporter 4

Catalog No.	Target Species:	Isotype:
DS-MB-01377	Rat	IgG1

Preparation

Immunogen: Partially purified vesicles containing insulin-responsive glucose transporter 4.
Preparation: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.

Formulation

Product Type: Monoclonal Antibody
Product Form: Purified IgG - liquid
Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Specificity

DS-MB-01377 is specific for an epitope in the cytoplasmic region of Glucose transporter 4 (GLUT4), an insulin-regulated facilitative glucose transporter found in adipose tissue and striated muscle. When stimulated by insulin, GLUT4 translocates from intracellular stores to the cell surface, facilitating passive diffusion of circulating glucose into muscle and fat cells. GLUT4 is also stimulated to locate to the cell surface by muscle contraction, particularly in cardiac muscle.

Storage

Store at +4 ^{o}C or at -20 ^{o}C if preferred.
This product should be stored undiluted.
Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life: 18 months from date of dispatch.

Species Cross Reactivity

Reacts with: Mouse, Monkey, Rabbit, Human
Does not react with: Dog
N.B. Antibody reactivity and working conditions may vary between species.

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Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			1:5,000-1:10,000
Immunohistology - Resin	•			
Immunohistology - Froze			•	
Immunohistology - Paraffin			•	

Note: other applications are not tested yet. Optimal dilutions should be determined by the users.

References

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