

Anti-Conjugated Dopamine

Product Information Sheet
1000GE



SUMMARY

shipped on blue ice; store at -20 °C

For research use only

Description

Polyclonal antisera were raised in rabbits after immunization with the conjugates: Dopamine-glutaraldehyde-carriers.

Contents

The antibody is supplied in a unit size of 50 µl in PBS with 50% glycerol.

Storage and Handling

When this product is stored undiluted at -20 °C or lower, it is stable for at least 2 years. Multiple freezing and thawing is only possible up to 5 times. The antibodies can be prediluted 10x in PBS containing 0.1% merthiolate or a mixture of PBS/glycerol (1:1, vol./vol.). At 4 °C these solutions are stable for 2 months.

Specificity

Using a conjugate dopamine-glutaraldehyde-protein, antibody specificity was determined in an ELISA test by competition experiments with the following compounds:

Compound	Cross-reactivity ratio (a)
Dopamine-G-BSA	1
Dopamine=G=BSA (b)	1: 2.5
Noradrenaline-G-BSA	1: 159
L-DOPA-G-BSA	1: 400
Octopamine-G-BSA	1: 400
Tyramine-G-BSA	1: >5,000
Adrenaline-G-BSA	1: >5,000
Dopamine	1: >5,000

a: Dopamine-G-BSA concentration/unconjugated or conjugated catecholamine concentration at half displacement.

b: Non-reduced conjugate

G = Glutaraldehyde, BSA = Bovine Serum Albumine

Recommended dilution

The anti-conjugated dopamine antibodies can be diluted 1:2,000 to 1:5,000.

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Order Information, Shipping and Storage

Order#	Product	Quantity
1000GE	Anti-Conjugated Dopamine	50 µl
shipped on blue ice; store at -20 °C		

Contact and Support

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