

Anti-Conjugated Acetylcholine, monoclonal

Product Information Sheet
1030GE



SUMMARY

shipped on blue ice; store at -20 °C

For research use only.

Not for use in diagnostic or therapeutic procedures.

Description

Monoclonal antibody was obtained after AKR mouse immunization with the conjugates: Choline-Glutaric anhydride-carrier proteins and hybridization of spleen cells with the myeloma cell line SP2/O/Ag14. Ascite production was performed in irradiated BALB/c mice.

Subclass : IgG 2a, Kappa

Purification

The ascitic fluid was purified by ammonium sulfate precipitation and gel filtration.

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 Choline-Glutaric anhydride-Protein, antibody specificity was determined in an ELISA test by competition experiments with the following compounds:

Compound	Cross-reactivity ratio ^(a)
Choline-GA-BSA	1
Choline-AA-BSA	1: 536
Choline-SA-BSA	1: 2,500
Farnesol-BSA	1: > 100,000
Retinoic acid-BSA	1: > 100,000
Myristic acid-BSA	1: > 100,000
Acetylcholine	1: > 100,000
Choline	1: > 100,000

(a): Choline-GA-BSA concentration / unconjugated or conjugated compounds concentration at half displacement;

GA = Glutaric acid, AA = Adipic acid, SA = Succinic acid, BSA = Bovine Serum Albumine

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Recommended dilution

The antibody was tested using the free floating PAP technique on rat cholinergic areas. The anti-conjugated acetylcholine antibody gave a good staining between a 1:500-1:5,000 dilution in these areas.

Reference

CHAGNAUD J.L., SOUAN M.L., CHARRIER M.C. and GEFFARD M. Monoclonal anti-conjugated acetylcholine antibody and immunohistochemical applications in rat nervous system. J. Neurochem., 53 (1989) 383-391.

Order Information, Shipping and Storage

Order#	Product	Quantity
1030GE	Anti-Conjugated Acetylcholine, monoclonal	50 µl
shipped on blue ice; store at -20 °C		

Contact and Support

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