

POLYCLONAL ANTI-CONJUGATED METHIONINE ANTIBODIES (rabbit)

Data Sheet

Code number : AP037

Description

Polyclonal antisera were raised in rabbits after immunisation with the conjugates : Methionine-Glutaraldehyde-Carriers.

Specificity

Using a conjugate Methionine-Glutaraldehyde-Protein, antibody specificity was performed with an ELISA test by competition experiments with the following compounds :

<i>Compound</i>	<i>Cross-reactivity ratio (a)</i>
Methionine-G-BSA	1
Methionine-GA-BSA	1/> 10,000
Homocysteine-G-BSA	1/> 1000
Homocysteic acid-G-BSA	1/> 10,000
Cystathionine-G-BSA	1/> 10,000
Cysteine-G-BSA	1/> 10,000
Glutamate-G-BSA	1/> 10,000

(a) : Methionine-G-BSA concentration/unconjugated or conjugated analogs concentration at half displacement ;
G = Glutaraldehyde, BSA = Bovine Serum Albumin.

Recommended dilution

The antiserum was tested using the free floating PAP technique on rat spinal cord. The anti-conjugated Methionine antibodies gave a good staining between a 1/2,000-1/5,000 dilution in these areas.

Storage and handling

Antisera were aliquoted (100µl) and stored at -20°C or lower. They are stable at least 2 years. Each aliquot can be defrosted and refrosted up to 5 times. It can be prediluted 10X in PBS containing 0.1% merthiolate or a mixture PBS/glycerol (vol/vol). These solutions were stable at +4°C for 2 months.

Lyophilized antisera are stable at least 1 year. Antisera could be reconstituted with 100µl pure water when the solution is completely used. For a storage at +4°C, use pure water with 0.1% merthiolate. This solution is stable at +4°C for 2 months. For a storage at -20°C, a mixture of water /glycerol (vol./vol.) is preferred.

Corresponding antigen

Gemac sells the corresponding antigen:

Methionine conjugate (code number: AG037)

Reference

• AMARA A., COUSSEMACQ M. and GEFFARD M. Molecular detection of methionine in rat brain using specific antibodies. *Neurosci. Letters*, (1995) 185, 147- 150.