

## L-Methionine, G-BSA-conjugated

DAG3368 chemosynthetic  
Lot. No. (See product label)

### PRODUCT INFORMATION

<b>Product overview</b>	L-Methionine, G-BSA-conjugated
<b>Description</b>	L-Methionine, Conjugated
<b>Species</b>	chemosynthetic
<b>Specificity</b>	L-Methionine conjugated with glutaraldehyde (G) and bovine serum albumin (BSA).
<b>Conjugate</b>	G-BSA
<b>Form</b>	Lyophilized (1 mg); Lyophilized and reconstituted in deionized water (250 µg)
<b>Applications</b>	immunohistochemistry and immunocytochemistry
<b>Usage</b>	This antigen was used to produce a polyclonal antibody.
<b>Quality Control Test</b>	250 micrograms, 1 milligram

### PACKAGING

**Storage** Store at -20°C for one year. Reconstitute with deionized H<sub>2</sub>O + 0.1% merthiolate (optional preservative). This solution is stable at +4°C for 2 months.

### BACKGROUND

**Introduction** Methionine is an essential amino acid, it cannot be synthesized in humans. However, in plants and microorganisms, methionine is synthesized from aspartic acid and cysteine. Methionine plays a role in cysteine, carnitine and taurine synthesis by the transsulfuration pathway, lecithin production, the synthesis of phosphatidylcholine and other phospholipids. Improper conversion of methionine can lead to atherosclerosis. Methionine is a chelating agent.

**Keywords** Methionine; Met; M

### REFERENCES

1. Weast, Robert C., ed. (1981). CRC Handbook of Chemistry and Physics (62nd ed.). Boca Raton, FL: CRC Press. p. C-374.
2. Refsum H, Ueland PM, Nygård O, Vollset SE. Homocysteine and cardiovascular disease. Annual review of medicine, 1998, 49(1), pp.31-62.