

## Agmatine, BSA-conjugated

Cat.No: DAG3267

Lot. No. (See product label)

### PRODUCT INFORMATION

<b>Product overview</b>	Agmatine, BSA-conjugated
<b>Description</b>	Agmatine, Conjugated
<b>Species</b>	chemosynthetic
<b>Specificity</b>	Agmatine conjugated with glutaraldehyde (G) and bovine serum albumin (BSA).
<b>Conjugate</b>	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
<b>Storage</b>	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 15 days.

### Background

<b>Introduction</b>	Agmatine is the decarboxylation product of the amino acid arginine and is an intermediate in polyamine biosynthesis. It is discussed as a putative neurotransmitter. It is synthesized in the brain, stored in synaptic vesicles, accumulated by uptake, released by membrane depolarization, and inactivated by agmatinase. Agmatine binds to α2-adrenergic receptor and imidazoline binding sites, and blocks NMDA receptors and other cation ligand-gated channels. Agmatine inhibits nitric oxide synthase (NOS), and it induces the release of some peptide hormones.
<b>Keywords</b>	Agmatine; 1-(4-Aminobutyl)guanidine