

## D-Alanine, BSA-conjugated

Cat.No: DAG3268

Lot. No. (See product label)

### PRODUCT INFORMATION

<b>Product overview</b>	D-Alanine, BSA-conjugated
<b>Description</b>	D-Alanine, Conjugated
<b>Species</b>	chemosynthetic
<b>Specificity</b>	D-Alanine 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>	Alanine is an $\alpha$ -amino acid with the chemical formula CH <sub>3</sub> CH(NH <sub>2</sub> )COOH. The L-isomer is one of the 20 amino acids encoded by the genetic code. Its codons are GCU, GCC, GCA, and GCG. It is classified as a nonpolar amino acid. L-Alanine is second only to leucine in rate of occurrence, accounting for 7.8% of the primary structure in a sample of 1,150 proteins. D-Alanine occurs in bacterial cell walls and in some peptide antibiotics.
<b>Keywords</b>	Alanine; Ala; A; Z-ALA-OSU; Cbz-Ala-OSu