

**Anti-Conjugated D-Alanine**  
RABBIT POLYCLONAL

**Catalog Number:** AB-T049  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rabbit  
**Isotype:** IgG  
**Immunogen:** Synthetic D-Alanine conjugated to bovine serum albumin

**Specificity & Preparation:** Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation.

This antibody targets conjugated D-Alanine. **This antibody does not recognize free D-Alanine.**

Using a conjugate D-Alanine-Glutaraldehyde-Protein Carrier (BSA), antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

**Usage:** Tested applications include indirect ELISA and immunohistochemistry. Optimal dilutions should be determined by each laboratory for each application. Fixation of tissue for use with these antibodies should be done with glutaraldehyde. The use of paraformaldehyde in conjunction with glutaraldehyde may improve staining results.

**Storage:** Store the antibody at 4°C for one month or -20°C in undiluted aliquots for up to one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

COMPOUND	CROSS REACTIVITY §
D-Alanine-G-BSA	1
L-Alanine-G-BSA	1/>50,000
Glycine-G-BSA	1/>50,000
D-Valine-G-BSA	1/>50,000
D-Leucine-G-BSA	1/>50,000

G = Glutaraldehyde, BSA = Bovine Serum Albumin

§ D-Alanine-G-BSA concentration/unconjugated or conjugated amino acids concentration at half displacement.

*To view protocol(s) for this and other products please visit: [www.ATSBio.com/library/protocols](http://www.ATSBio.com/library/protocols)*