

product **AS09 598**  
**Ornithine**

## product information

<b>background</b>	<b>Ornithine</b> is an amino acid which is not coded for by DNA. It is one of the products of the action of arginase on L-arginine which leads to production of urea. Ornithine is a key component in urea cycle, which allows for the disposal of excess nitrogen. Another name: (+)-(5)-2,5-diaminovaleric acid										
<b>immunogen</b>	Synthetic ornithine conjugated to <u>BSA</u>										
<b>antibody format</b>	rabbit polyclonal total IgG in PBS, Phosphate 10mmol/l ; NaCl 150mmol/l at pH 7.35 lyophilized										
<b>quantity</b>	100 µl, for reconstitution add 50 µl, of sterile water and 50 µl of glycerol										
<b>storage</b>	store lyophilized antibodies at 4 °C; after reconstitution store at -20 °C. This aliquote is stable for at least 2 years. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.										
<b>tested applications</b>	indirect ELISA (ELISA) with conjugated ornithine										
<b>additional information</b>	Specificity has been determined using ELISA competition experiments using conjugate of spermine <table><thead><tr><th>Compounds</th><th>Cross-reactivity ratio (a)</th></tr></thead><tbody><tr><td>Ornithine-G-BSA</td><td>1</td></tr><tr><td>Arginine-G-BSA</td><td>1/600</td></tr><tr><td>Diamino-Butane-G-BSA</td><td>1/&gt; 50 000</td></tr><tr><td>Glutamine-G-BSA</td><td>1/&gt; 50 000</td></tr></tbody></table> <p>(a) : Ornithine-G-BSA concentration/Other conjugated polyamines concentration at half displacement ; G = Glutaraldehyde, BSA = Bovine Serum Albumin.</p>	Compounds	Cross-reactivity ratio (a)	Ornithine-G-BSA	1	Arginine-G-BSA	1/600	Diamino-Butane-G-BSA	1/> 50 000	Glutamine-G-BSA	1/> 50 000
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## application information

<b>recommended dilution</b>	1: 2000 - 1: 10 000 (ELISA)
<b>expected   apparent MW</b>	132.16 g/mol
<b>confirmed reactivity</b>	conjugated ornithine

This product is **for research use only** (not for diagnostic or therapeutic use)

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- predicted reactivity** | ornithine
- not reactive in** | no confirmed exceptions from predicted reactivity known in the moment
- additional information** | for example of immunocytochemistry protocol check [here](#).
- selected references** | to be added when available