



# Anti-*P. aeruginosa* Polyclonal antibody (DPAB0115)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Reacts predominantly against <i>P. aeruginosa</i> with some cross reactivity against other <i>Pseudomonas</i> species ( <i>P. maltophilia</i> , <i>P. fluorescens</i> and <i>P. gladioli</i> ).
<b>Target</b>	<i>P. aeruginosa</i>
<b>Immunogen</b>	Outer membrane protein extract of <i>P. aeruginosa</i>
<b>Source/Host</b>	Guinea pig
<b>Species Reactivity</b>	<i>P. aeruginosa</i>
<b>Purification</b>	Protein A chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Sandwich ELISA as either capture or detection antibody for direct detection of antigen. Latex agglutination. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	3mg/ml (OD280nm, E0.1% = 1.4)
<b>Size</b>	1 ml
<b>Preservative</b>	None
<b>Storage</b>	Short-term store at 2-8°C. Long term store at -20°C. Avoid multiple freeze/thaw cycles.

# BACKGROUND

Introduction	<p><i>Pseudomonas aeruginosa</i> is Gram-negative, aerobic, rod-shaped bacteria with unipolar motility. An opportunistic human pathogen, <i>P. aeruginosa</i> is also an opportunistic pathogen of plants. <i>P. aeruginosa</i> bacteria are clinically important because they are resistant to most antibiotics and they are capable of surviving in conditions that few other organisms can tolerate. <i>Pseudomonas</i> is often encountered in hospital and clinical work because it is a major cause of hospital acquired (nosocomal) infections. Its main targets are immunocompromised individuals, burn victims, and individuals on respirators or with indwelling catheters. Additionally, these pathogens colonize the lungs of cystic fibrosis patients.</p>
Keywords	<p><i>P aeruginosa</i>; <i>P. aeruginosa</i>; <i>Pseudomonas aeruginosa</i>; <i>Pseudomonadaceae</i>; <i>Pseudomonas</i>; <i>pseudomonas aeruginosa</i>; <i>Gamma Proteobacteria</i>; <i>Bacteria</i></p>