

Pseudomonas Polyclonal Antibody

Catalog NumberPA1-73116

Product data sheet

Details		Species Reactivity	
Size	1 mL	Species reactivity	Bacteria
Host/Isotope	Rabbit / IgG	Published species	Bacteria, Mouse, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Immunocytochemistry (ICC/IF)	Dilution *1:800
Immunogen	Whole cells of Pseudomonas aeruginosa, ATCC #27853.	Published Applications	
Conjugate	Unconjugated	Immunocytochemistry (ICC/IF)	See 1 publications below
Form	Liquid	Immunohistochemistry (IHC)	See 1 publications below
Concentration	4-5 mg/mL	ELISA (ELISA)	See 1 publications below
Purification	IgG fraction	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage buffer	PBS, pH 7.2		
Contains	0.1% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

PA1-73116 has been successfully used in immunofluorescence applications. Potential applications include ELISA, immunoblotting, and immunohistochemistry. The PA1-73116 antibody was raised against whole cells of Pseudomonas aeruginosa, ATCC #27853. Recommended short term storage (up to 6 months) is at 4°C. For longer storage, aliquot and freeze.

Background/Target Information

Although pathogenic bacteria constitute only a small portion of bacterial species, infectious diseases caused by pathogenic bacteria affect millions of people worldwide. Diarrheal diseases, many of which are bacterial, are the second leading cause of death worldwide, claiming an estimated 5 million people annually. Furthermore, an estimated 3 million people die of tuberculosis annually, 500,000 people die of pertussis, and 25,000 die of typhoid.

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PubMed References For Pseudomonas Polyclonal Antibody

1 Immunocytochemistry References

Species / Dilution	Summary
	PA1-73116 was used in Immunocytochemistry-immunoflourescence to establish an enzyme-linked immunosorbent assay method for the sensitive detection of three P. aeruginosa strains, UCBPP PA14, ATCC 27853, and multidrug-resistant ATCC BAA-2108.
Bacteria / Not Cited	BMC biotechnology ( 2022; 22: ) <b>"Generation of a recombinant antibody for sensitive detection of Pseudomonas aeruginosa."</b> Author(s):Lim GM,Kim JK,Kim EJ,Lee CS,Kim W,Kim BG,Jeong HJ PubMed Article URL: <a href="http://dx.doi.org/10.1186/s12896-022-00751-9">http://dx.doi.org/10.1186/s12896-022-00751-9</a>

1 Immunohistochemistry References

Species / Dilution	Summary
	PA1-73116 was used in Immunohistochemistry to demonstrate that advanced cell instructive properties may be incorporated into ink-jet based 3D-printing for the production of bespoke functional medical devices.
Mouse / Not Cited	Biomaterials ( 2022; 281: ) <b>"Ink-jet 3D printing as a strategy for developing bespoke non-eluting biofilm resistant medical devices."</b> Author(s):He Y,Luckett J,Begines B,Dubern JF,Hook AL,Prina E,Rose FRAJ,Tuck CJ,Hague RJM,Irvine DJ,Williams P, Alexander MR,Wildman RD PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.biomaterials.2021.121350">http://dx.doi.org/10.1016/j.biomaterials.2021.121350</a>

1 ELISA References

Species / Dilution	Summary
	PA1-73116 was used in ELISA to study anti-microbial immune responses in demyelinating diseases using enzyme-linked immunosorbent assays.
Bacteria / Not Cited	Journal of molecular medicine (Berlin, Germany) ( 2021; 99: 1399) <b>"Spinal fluid IgG antibodies from patients with demyelinating diseases bind multiple sclerosis-associated bacteria."</b> Author(s):Eckman E,Laman JD,Fischer KF,Lopansri B,Martins TB,Hill HR,Kriesel JD PubMed Article URL: <a href="http://dx.doi.org/10.1007/s00109-021-02085-z">http://dx.doi.org/10.1007/s00109-021-02085-z</a>

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