

**Mouse Anti-Pantoea stewartii (Pstew),  
monoclonal**

**CatNo** **ASC52001**

BatchNo: See label  
Despatch Date: See label  
Storage: 2-8°C

**DO NOT FREEZE!**

<b>Background:</b>	The bacteria formally known as Erwinia stewartii (Es) has been designated Pantoea stewartii (Pstew) in accordance with current bacterial taxonomy. Erwinia stewartii is the bacterium which causes Stewart's Bacterial Wilt of corn. This disease has been reported in North America, Costa Rica, Puerto Rico, Europe, and China. The primary vector of P. stewartii is the corn flea beetle, in which P. stewartii bacteria overwinter and are then spread to young plants in the spring. Warm winters augment the survival rates of corn flea beetles causing increases in frequencies of Stewart's Bacterial Wilt the following seasons.  Many countries have implemented phytosanitary restrictions for seed to avoid the introduction of P. stewartii into their countries.
<b>Volume/Quantity:</b>	0.25 ml
<b>Product Form:</b>	Purified IgG - liquid
<b>Preservatives Stabilisers:</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Sensitivity:</b>	10 <sup>3</sup> - 10 <sup>4</sup> CFU/ml
<b>Specificity:</b>	Reacts specifically with Pantoea stewartii.

<b>Applications:</b>	<b>Suggested Working Dilution</b>	
FlowCytometry	Not tested	
Immunohistology-frozen	Not tested	
Immunohistology-paraffin	Not tested	
Immunofluorescence	Yes	1:100 – 1:200
Immunohistology-resin	Not tested	
ELISA	Yes	
Immunoprecipitation	Not tested	
Western Blotting	Not tested	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Immunofluorescence**

**Recommended Secondary Reagents:** Goat anti-mouse IgG:FITC conjugate - (LINARIS CatNo PAK0031F).

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**For Research purposes only. Not for therapeutic or diagnostic use.**

Manufacturer

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### Specificity

**Doesn't cross react with:**

<p>           Acidovorax avenae pv. avenae            Acidovorax avenae pv. citrulli            Agrobacterium tumefaciens            Burkholderia glumae            Clavibacter michiganensis subsp. insidiosus            Clavibacter michiganensis subsp. michiganensis            Clavibacter michiganensis subsp. nebraskensis            Clavibacter michiganensis subsp. sepedonicus            Clavibacter michiganensis subsp. tessellarius            Curtobacterium flaccumfaciens subsp. poinsettiae            Dickeya chrysanthemi            Erwinia amylovora            Pantoea agglomerans            Pectobacterium carotovora pv. atroseptica            Pectobacterium carotovora pv. carotovora            Pseudomonas fuscovaginae            Pseudomonas savastanoi pv. glycineae            Pseudomonas savastanoi pv. phaseolicola            Pseudomonas syringae pv. tomato            Ralstonia solanacearum            Spiroplasma citri            Stentotrophomonas maltophilia            Xanthomonas albilineans            Xanthomonas arboricola pv. celebensis         </p>	<p>           Xanthomonas axonopodis pv. begonia            Xanthomonas axonopodis pv. citri            Xanthomonas axonopodis pv. dieffenbachia            Xanthomonas axonopodis pv. phaseoli            Xanthomonas campestris pv. armoraciae            Xanthomonas campestris pv. campestris            Xanthomonas citromelo            Xanthomonas hortorum pv. pelargonii            Xanthomonas oryzae pv. oryzae            Xanthomonas translucens pv. translucens            Xanthomonas vesicatoria            Verticillium dahlia            Xylella fastidiosa            ten non-plant pathogens:            Acinetobacter calcoaceticus            Bacillus cereus            Bacillus subtilis            Escherichia coli            Pseudomonas aeruginosa            Pseudomonas fluorescens            Pseudomonas putida            Serratia marcescens            Staphylococcus aureus            Streptococcus faecalis         </p>
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### References

1. EUPHRESKO Pantoea stewartii ssp. stewartii final report; [http://www.euphresco.net/media/project\\_reports/pantoea\\_final\\_report.pdf](http://www.euphresco.net/media/project_reports/pantoea_final_report.pdf)

**Storage Conditions:**

 Store at 2-8°C! **DO NOT FREEZE!**
**Shelf Life:**

 Should this product contain a precipitate we recommend microcentrifugation before use.  
 12 months from date of despatch.

**Health and Safety Information:**

 (A full Health and Safety assessment is available upon request)  
 This product contains sodium azide: a POISONOUS and HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Manufacturer



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