

Product datasheet

anti-Pseudomonas aeruginosa 6C mouse monoclonal, EBS-I-102, purified

Short overview

Cat. No. 691644

Quantity1 ml (100 μ g/ml)Concentration100 μ g/ml

Product description

HostMouseAntibody TypeMonoclonalIsotypeIgG1 kappaCloneEBS-I-102

ImmunogenPseudomonas aeruginosa 6CFormulationPBS with 0.02% sodium azide

Conjugate Unconjugated

Purification Affinity chromatography

Storage 2-8°C

Intended useResearch use onlyApplicationELISA, ICC/IF, IHCReactivityP. aeruginosa 6C

Applications

ELISA Assay dependent

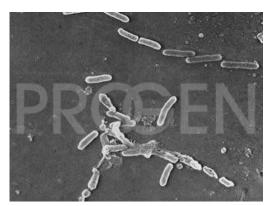
Immunocytochemistry (ICC)1:100-1:200 (0.5-1.0 μg/ml)Immunohistochemistry (IHC) - frozen1:50-1:100 (1-2 μg/ml)

Background

EBS-I-102 is specific for serotype 6C and does not react with other serotypes. Pseudomonas aeruginosa is a Gram-negative, aerobic, rod-shaped bacterium with unipolar motility. It is an opportunistic pathogen of plants and humans and can infect the urinary tract, respiratory and gastrointestinal system, soft tissues, bones and joints leading to severe systemic infections of immunosuppressed patients in hospitals. P. aeruginosa secretes a variety of pigments, including pyocyanin (blue-green), fluorescein (pyoverdin), and pyorubin (red-brown). This organism can achieve anaerobic growth with nitrate as a terminal electron acceptor, and, in its absence, it is also able to ferment arginine by substrate-level phosphorylation. Adaptation to microaerobic or anaerobic environments is essential for certain lifestyles of P. aeruginosa, such as during lung infection in cystic fibrosis patients where thick layers of alginate surrounding bacterial mucoid cells can limit the diffusion of oxygen.

Positive control: Pseudomonas aeruginosa serotype 6C extract or infected cells or tissue.

Product images



EM with Pseudomonas aeruginosa