SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Capsular antigen [P2I67] Standard Size Ab04168-23.0

Isotype and Format: Rabbit IgG, Kappa
Clone Number: P2I67
Alternative Name(s) of Target: surface capsule antigen; Burkholderia mallei; BM; glanders; Burkholderia pseudomallei; BP; Burkholderia spp; melioidosis; Whitmore's disease
UniProt Accession Number of Target Protein:
Published Application(s): ELISA
Published Species Reactivity: Burkholderia mallei, Burkholderia pseudomallei
Immunogen: The original antibody was generated by immunizing mice with various antigen preparations of B. pseudomallei (ATCC 23343). Later on phage display technique was used to generate scFv version of this antibody.
Specificity: This antibody binds surface capsular antigens of Burkholderia pseudomallei (BP), a causative agent of melioidosis, is a gram-negative, facultative anaerobic, motile bacillus commonly found in the soil and stagnant waters. BP infection is often due to either direct inoculation into wounds and skin abrasions or inhalation of contaminated materials. Recently, BP has been recognized as a major cause of community-acquired septicemia, resulting in significant mortality. This antibody also cross reacts with surface capsular antigens of Burkholderia mallei. B. mallei (BM), a host-adapted pathogen that does not normally persist in nature, causes glanders in horse. Some studies indicated that BM is highly infectious in humans by aerosol route.
Application Notes: This antibody can be used for the detection of capsular antigens of Burkholderia pseudomallei and Burkholderia mallei in a sample using ELISA. The binding affinity of the antibody against B. pseudomallei was measured (0.859 at OD405nm) (Kim et al., 2011; PMID: 21172353).
Antibody First Published in: Kim et al. Construction and molecular characterization of mouse single-chain variable fragment antibodies against Burkholderia mallei and Burkholderia pseudomallei. J Immunol Methods. 2011 Feb 28;365(1-2):101-9. PMID:21172353
Note on publication: The paper describes the molecular characterization of scFv antibodies against Burkholderia mallei and Burkholderia pseudomallei generated using phage display technology.

Product Form

Size: 100 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In:

PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.