Anti-Bordotella avium 41-kDa Surface Protein **[PF8]**

Catalogue number: 157691 Sub-type: Images:

Contributor

Inventor: Institute: University of Georgia Images:

Tool details

***FOR RESEARCH USE ONLY**

ols.org Name: Anti-Bordotella avium 41-kDa Surface Protein [PF8]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Bordotella avium, a Gram-negative, aerobic and motile bacterium, is the causative agent of turkey coryza, an economically-impacting disease that can also infect other birds. The bacterium has been isolated from individuals with cystic fibrosis, although the contribution of the organism to the disease is still unclear.B. avium shares several virulence factors with human pathogens. A 41 kDa surface protein of B. avium is strongly associated with the organism??Â?s virulence and ability to attach to tracheal mucosa. Monoclonal antibodies designated 9F8, 1G12 and 14G8 immunoprecipitate the 41kDa protein and also inhibited HA of guinea pig erythrocytes by B. avium. These antibodies have the potential to be used in the development of therapeutic and/or diagnostic tools.

Purpose: Parental cell: **Organism:** Tissue: Model: Gender: **Isotype:** Reactivity: Bordotella avium Selectivity: Host: Mouse Immunogen: CsCI-purified protein from B. avium 002/S isolate Immunogen UNIPROT ID:

Sequence: Growth properties: Production details: Formulation: Recommended controls: IgG1 kappa Bacterial resistance: Selectable markers: Additional notes:

Target details

Target: Mycobacterial 41-kDa Surface Protein

Target alternate names:

Target background: Bordotella avium, a Gram-negative, aerobic and motile bacterium, is the causative agent of turkey coryza, an economically-impacting disease that can also infect other birds. The bacterium has been isolated from individuals with cystic fibrosis, although the contribution of the organism to the disease is still unclear.B. avium shares several virulence factors with human pathogens. A 41 kDa surface protein of B. avium is strongly associated with the organismÄ?Ë???Â???Â?s virulence and ability to attach to tracheal mucosa. Monoclonal antibodies designated 9F8, 1G12 and 14G8 immunoprecipitate the 41kDa protein and also inhibited HA of guinea pig erythrocytes by B. avium. These antibodies have the potential to be used in the development of therapeutic and/or diagnostic tools.

Molecular weight: 41

Ic50:

Applications

Application: ELISA ; IF ; WB **Application notes:**

Handling

Format: Liquid Concentration: Passage number: Growth medium: Temperature: Atmosphere: Volume: Storage medium: Storage buffer: **Storage conditions: Shipping conditions:** Shipping at 4° C

Related tools

Related tools:

References

References: Hoenig et al. 2013. J Am Vet Med Assoc. 243(9):1302-9. PMID: 24134581. ; Kley et al. 2008. Domest Anim Endocrinol. 34(3):311-8. PMID: 17949938.

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