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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Bordetella pertussis lipooligosaccharide [HBp2] Standard Size Ab04459-15.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

Isotype and Format: Human IgM, Lambda

Clone Number: HBp2

Alternative Name(s) of Target:

UniProt Accession Number of Target Protein:

Published Application(s): neutralization, RIA, WB, ELISA

Published Species Reactivity: Bordetella pertussis

Immunogen: The original antibody was raised from splenic lymphocytes isolated from fresh human spleen tissue, that were immunized in vitro against Bordetella pertussis lipooligosaccharide.

Specificity: This antibody is specific for B. pertussis strains 9340 and Tohama 1, but not other strains

Application Notes: The original antibody was used for a dot blot on different bacteria lysates. This antibody was used for a radioimmunoassay on live bacteria, this antibody bound to surface-exposed epitopes on B. pertussis strains 9340 and Tohama 1, but not other strains. The biological activity of this antibody against B. pertussis and B. bronchiseptica was assessed. It showed a high degree of killing on B. pertussis strain 9340. This antibody was used for an ELISA on B. pertussis OMP preparations (Brodeur et al., 1991; PMID:1721552).

Antibody First Published in: Brodeur et al. Biological activity of a human monoclonal antibody to Bordetella pertussis lipooligosaccharide Hum Antibodies Hybridomas. 1991 Oct;2(4):194-9. [PMID:1721552](#)

Note on publication: The original paper generated heterohybridoma cell line HBp2 secreting human monoclonal antibody (hMAb) directed against Bordetella pertussis by fusing SP2/HPT heteromyeloma cells with human spleen lymphocytes, after in vitro stimulation for 6 days.

Product Form

Size: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

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.