

Anti-Haemophilus influenzae, Type B antiserum

Cat. # HIB12-S

Rabbit Anti-Haemophilus influenzae, Type B (heat killed) antiserum

SIZE: 0.1 ml

Haemophilus influenzae is a small (1 x 0.3mm), pleomorphic, gram-negative coccobacillus. It is a nonmotile, non-spore-forming, fastidious, facultative anaerobe. Some strains of H. influenzae possess a polysaccharide capsule. All strains are serotyped into 6 different types (a-f) based on their biochemically different capsules. The most virulent strain is H. influenzae type b (Hib), with its polyribosyl ribitol phosphate, (PRP) capsule. It accounts for more than 95% of H. influenzae invasive diseases, including bacteremia, meningitis, cellulitis, epiglottitis, septic arthritis, pneumonia, and empyema. Less common invasive Hib infections include endophthalmitis, urinary tract infection, abscesses, cervical adenitis, glossitis, osteomyelitis, and endocarditis. The nonencapsulated or nontypeable H. influenzae strains cause mucosal infections, including otitis media, conjunctivitis, bronchitis, and pneumonia. Less commonly, these strains cause invasive disease.

Source of Antigen and Antibodies

Antigen	PRP extracted from heat killed Haemophilus influenzae, Type B (whole bacteria)
Antibody host/type	Rabbit, Polyclonal unpurified antiserum (Cat # HIB12-S) containing 0.1% Proclin 300
Secondary Ab	Goat Anti-rabbit IgG-HRP cat # 20320 (AP, biotin, FITC conjugates also available)
Negative Control Ab	# 20009-1, Rabbit (non-immune) IgG, purified, suitable for ELISA, Western, IHC as -ve control

Form & Storage of Antibodies/Peptide Control

Antiserum (unpurified)

100ul solution lyophilized powder
Reconstitute powder in 100 ul PBS

Storage

Short-term: unopened, undiluted liquid vials at -20OC and powder at 4oC or -20oC..

Long-term: at -20C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20oC or below.

Shipping: 4oC for solutions and room temp for powder

Recommended Usage

ELISA : 1:500-1:2000

Latex agglutination

Optimal dilution must be tested by the user under specified conditions (range 1:500-1:5,000 depending upon the sensitivity of the assay).

Specificity & Cross-reactivity

The antiserum recognizes Haemophilus influenzae type B PRP with no demonstrable reactivity with other subtypes. Some reactivity with parainfluenzae. ADI has another antiserum (#PRPB11-S) made to the H. Influenzae B PRP moiety that may be suitable for other uses.

General References: Shcneerson R et al (1980) J. Exp. Med. 152, 361-376; Shcneerson R (1971) J. Immunol. 107, 1081; Anderson P (1972) J. Clin. Invest. 51, 39; Petola H (1977) Pediatrics 60, 730; Anderson P (1977) J. Infect. Dis. 136, 47; Smith DH (1975) Pediatrics 52, 636;

*This product is for in vitro research use only.

Related items from ADI...

Catalog#	ProdDescription
PRPB11-S	Anti-Haemophilus influenzae, Type B PRP (Hib-PRP) antiserum

980-100-PHG Human Anti-H. Influenzae B (Hib) polyribosyl phosphate (PRP) IgG ELISA Kit, 96 tests

980-120-PMG Mouse Anti-H. Influenzae B (Hib) polyribosyl phosphate (PRP) IgG ELISA Kit, 96 tests

980-130-PRG Rabbit Anti-H. Influenzae B (Hib) polyribosyl phosphate (PRP) IgG ELISA Kit, 96 tests

980-140-PRM Rabbit Anti-H. Influenzae B (Hib) polyribosyl phosphate (PRP) IgM ELISA Kit, 96 tests

980-150-PKG Monkey Anti-H. Influenzae B (Hib) polyribosyl phosphate (PRP) IgG ELISA Kit, 96 tests

HIB12-S Anti-Haemophilus influenzae, Type B (heat killed, whole bacteria) antiserum

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