

Product Specification Sheet

**Anti-Haemophilus influenzae, Type B PRP antiserum**

**Cat. #** PRPB11-S      Rabbit Anti-Haemophilus influenzae, Type B PRP antiserum      **SIZE:** 100 ul

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**

<b>Antigen</b>	PRP extracted from heat killed Haemophilus influenzae, Type B was conjugated to Tetanus toxoid
<b>Antibody host/type</b>	Rabbit, Polyclonal unpurified antiserum (Cat # PRPB11-S) containing 0.1% Proclin 300
<b>Secondary Ab</b>	<b>Goat Anti-rabbit IgG-HRP cat # 20320 (AP, biotin, FITC conjugates also available)</b>
<b>Negative Control Ab</b>	# 20009-1, Rabbit (non-immune) IgG, purified, suitable for ELISA, Western, IHC as -ve control

**Form & Storage of Antibodies/Peptide Control**

**Antiserum (unpurified)**

100 ul       solution       lyophilized  
**Reconstitute** powder in 100 ul PBS

**Storage**

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

**Long-term:** at -20oC 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. Antibodies have been tested with PRP-albumin conjugate and show good reactivity with PRP. Antiserum may react with tetanus Toxoid as well. ADI has another antiserum (#HIB12-S) made to the H. Influenzae B whole bacterium 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
PRPB11-S	161128SV