

Anti-Streptococcus pneumoniae capsular polysaccharide serotype 6B [Hyp6BM8] Standard Size Ab01145-1.1

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgM format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG1, Kappa

Clone Number: Hyp6BM8

Alternative Name(s) of Target: CPS 6B; capsular PS 6B

UniProt Accession Number of Target Protein:

Published Application(s): ELISA, FC

Published Species Reactivity: Streptococcus pneumoniae

Immunogen: This antibody was raised by immunising BALB/c mice with S. pneumoniae 6B capsular polysaccharide conjugated to keyhole limpet hemocyanin.

Specificity: This S. pneumoniae serogroup 6-specific antibody binds to serogroup 6B capsular polysaccharide with an affinity of $2.44 \times 10^{11} \text{ M}^{-1}$. This antibody also cross-reacts with the 6A polysaccharide, with an affinity of $6.41 \times 10^{10} \text{ M}^{-1}$, and also reacts with serotypes 6C and 6D.

Application Notes: This antibody has been used in flow cytometric analysis as part of a panel of serogroup 6-specific mAbs to define the serologic properties of new S. pneumoniae isolates (Oliver et al, 2013). The ability of this antibody to bind S. pneumoniae 6B and 6A serotypes has been characterised in ELISA analysis (Sun et al, 2001).

Antibody First Published in: Sun et al. Avidity, Potency, and Cross-Reactivity of Monoclonal Antibodies to Pneumococcal Capsular Polysaccharide Serotype 6B Infect Immun. 2001 Jan;69(1):336-44. [PMID:11119522](#)

Note on publication: Describes the original generation of this antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

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.