

# Monoclonal antibody (murine IgG1) 5A6 specific for *S. aureus* CP8

Catalog #: 0233-PP-002

### Description:

Murine IgG1 monoclonal antibody (mAb) 5A6 recognizes the backbone structure of *Staphylococcus aureus* capsular polysaccharide type 8 (CP8). 5A6 mAbs were purified from hybridoma supernatants over protein G columns. Protein concentrations were assessed by BioRad protein assays, and mAb purity was confirmed by SDS-PAGE and ELISA.

Formulation & Storage: undiluted antiserum; stored at -20C.

### Notes & Usage Guidelines:

Clonality:

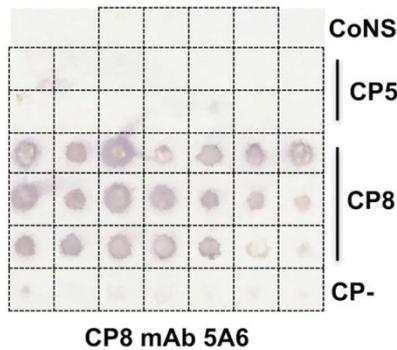
Purity: Panel B

ELISA: Assay-dependent dilution. See panel C.

## Applications

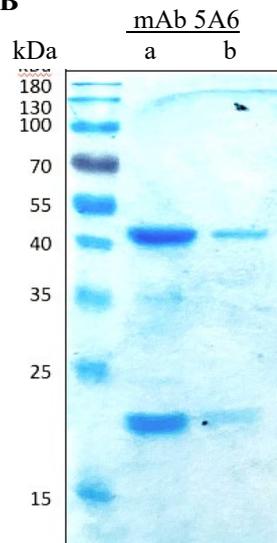
(A) Colony immunoblots. mAb 5A6 was reactive with serotype 8 strains but nonreactive with serotype 5 strains, coagulase-negative staphylococci (CoNS) and *S. aureus* isolates that were acapsular (CP-). The last two CP8 samples on the blot produce scant CP8.

A

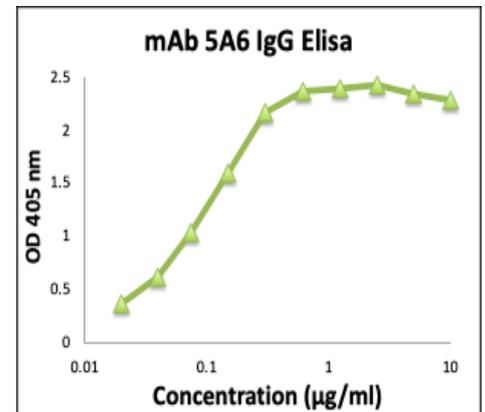


(B) Coomassie-stained SDS gel of two lots of mAb 5A6 showing heavy and light IgG chains. (C) Capture ELISA quantifying IgG concentrations of mAb 5A6.

B



C



### Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at [services@ibtbioservices.com](mailto:services@ibtbioservices.com)

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