

AM26154PU-N**Monoclonal Antibody to CHIPS (C-term) - Purified****Quantity:** 0.1 mg**Concentration:** 0.1 mg/ml

Background: The bacterial pathogen *Staphylococcus aureus* is insensitive to antimicrobial host defense peptides such as defensins, protegrins, platelet microbicidal proteins and bacteriocins. *Staphylococci* have developed various resistance mechanisms including those specific for bacteriocins and several host defense peptides. A protein belonging to the resistance mechanism of *Staphylococcus aureus* is known as CHIPS (Chemotaxis Inhibiting Protein of *Staphylococcus aureus*). CHIPS is a protein produced by *Staphylococcus aureus* that inhibits chemotaxis of neutrophils by blocking the Formyl Peptide Receptor (FPR) and C5a Receptor on neutrophils. CHIPS and antibodies against CHIPS can be useful for various experimental infection models of *Staphylococcus aureus*. Furthermore these reagents can be of help in studies on the role of FPR and C5a in inflammatory processes.

Uniprot ID: [Q6GFB3](#)**NCBI:** [YP_041409.1](#)**GeneID:** [2861356](#)**Host / Isotype:** Mouse / IgG1**Recommended Isotype Controls:** AM03095PU-N**Clone:** JCC1

Format: **State:** Liquid 0.2 µm filtered Ig fraction
Purification: Protein G purified
Buffer System: PBS
Preservatives: 0.01% sodium azide
Stabilizers: 0.1% BSA

Applications: Immuno-assays
Flow cytometry (1:10 as starting dilution).
Western blot (1:100 as starting dilution).
Immunohistology on frozen and paraffin sections (1:100 as starting dilution).
Inhibition of biological activity.
Before use in biological assays, the product must be filter sterilized and depending on the concentration to be used dialyzed against culture medium to remove the sodium azide added.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody detects with the C-terminus of CHIPS.**Storage:** Product should be stored at 2-8 °C. Under recommended storage conditions, product is stable for one year.