

CHIPS (JCC1): sc-52653

BACKGROUND

The bacterial pathogen *Staphylococcus aureus* is insensitive to antimicrobial host defense peptides like 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*, known as CHIPS (chemotaxis inhibiting protein for *Staphylococcus aureus*), inhibits chemotaxis of neutrophils by blocking the formyl peptide receptor (FPR) and C5a receptor on neutrophils. Therefore, CHIPS may be a potential anti-inflammatory therapeutic target.

REFERENCES

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SOURCE

CHIPS (JCC1) is a mouse monoclonal antibody with epitope mapping at the C-terminal sequence of CHIPS of *Staphylococcus aureus* origin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

CHIPS (JCC1) is recommended for detection of CHIPS of *S. aureus* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 μ g per 1 x 10⁶ cells).

Molecular Weight of CHIPS: 14 kDa.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.