

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	CHIPS, C-terminus, clone JCC1		
Catalog number	HM6003		
Lot number	-	Expiry date	-
Volume	1 ml	Amount	100 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA	Concentration	100 µg/ml
Host Species	Mouse IgG1	Conjugate	None
Endotoxin level	<24 EU/mg	Purification	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	•	•		•	•	•		•
No								
N.D.			•				•	

N.D. = Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot.

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10 for FC and 1:100 for IHC-F, IHC-P and W.

- FS: The antibody can be used for inhibition of biological activity.

General Information

Description 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. Monoclonal antibody JCC1 reacts with the C-terminus of CHIPS.

Storage&stability Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

Precautions For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
23/09/2019

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.