

**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	CHIPS (Chemotaxis Inhibiting Protein of Staph. aureus)		
<b>Catalog number</b>	HC4012		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	Reconstitute with distilled/de ionized water	<b>Activity</b>	N.A.
<b>Formulation</b>	Lyophilized in PBS	<b>Amount</b>	10 µg
<b>Host Species</b>	N.A.	<b>Concentration</b>	N.A.
<b>Endotoxin level</b>	N.A.	<b>Purification</b>	N.A.
<b>Storage</b>	4°C	<b>Purity</b>	N.A.

**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

- FS: Reconstitute the vial by injection with distilled or de-ionized water, volume depending on the concentration to be used. It is recommended that users test the reagent and determine their own optimal concentrations for biological studies.

**General Information**

<b>Description</b>	The bacterial pathogen <i>Staphylococcus aureus</i> is insensitive to antimicrobial host defense peptides such as defensins, protegrins, platelet microbicidal proteins and bacteriocins. <i>Staphylococci</i> have developed various resistance mechanisms including those specific for bacteriocins and several host defense peptides. A protein belonging to the resistance mechanism of <i>Staphylococcus aureus</i> is known as CHIPS (Chemotaxis Inhibiting Protein of <i>Staphylococcus aureus</i> ). CHIPS is a protein produced by <i>Staphylococcus aureus</i> 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 <i>Staphylococcus aureus</i> . Furthermore these reagents can be of help in studies on the role of FPR and C5a in inflammatory processes.
<b>Storage&amp;stability</b>	Lyophilized product should be stored at 4°C. Store stock solution in aliquots at -70°C. Repeated freeze and thaw cycles will cause loss of activity. Under recommended storage conditions, product is stable for one year.
<b>Precautions</b>	Caution: vial is under vacuum. 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  
Robbert Zwinkels

Date  
27/03/2018

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).