

## Product datasheet

# Recombinant Human Calprotectin (S100A8 + S100A9) protein ab130945

### Description

<b>Product name</b>	Recombinant Human Calprotectin (S100A8 + S100A9) protein
<b>Purity</b>	> 90 % SDS-PAGE. Anion exchange chromatography. Identified by N-terminal sequencing.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P05109</u></b> <b><u>P06702</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Amino Acid Sequence 1</b>	
<b>Species</b>	Human
<b>Additional sequence information</b>	This product is a tetrameric heterocomplex of S100A8 and S100A9.
<b>Amino Acid Sequence 2</b>	
<b>Species</b>	Human

### Specifications

Our **Abpromise guarantee** covers the use of **ab130945** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	ELISA Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze. Constituents: 0.004% EGTA, 0.242% Tris, 0.03% EDTA, 0.29% Sodium chloride
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## General Info

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### Cellular localization

S100A9: Secreted. Cytoplasm. Cytoplasm > cytoskeleton. Cell membrane. Associates with tubulin filaments in activated monocytes. Targeted to the cell surface upon calcium influx. Released from blood leukocytes upon exposure to CSF2/GM-CSF, bacterial lipopolysaccharide (LPS) and during inflammatory processes. Serum levels are high in patients suffering from chronic inflammation. S100A8: Secreted. Cytoplasm. Cytoplasm, cytoskeleton. Cell membrane. Predominantly localized in the cytoplasm. Upon elevation of the intracellular calcium level, translocated from the cytoplasm to the cytoskeleton and the cell membrane. Upon neutrophil activation or endothelial adhesion of monocytes, is secreted via a microtubule-mediated, alternative pathway.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors