PRODUCT SPECIFICATIONS

Name
Recombinant Calprotectin S100A9, 50 µg

Description
Recombinant human S100 calcium binding protein A9 antigen is produced by E.coli expression system and the target gene encoding Thr2–Pro114 is expressed. Predicted molecular weight: 13 kDa.

Amino acid sequence
TCKMSQLERNIITFQYSDKLPHTLNGEKFELVRKDLQNFLKNEKNEKVIEHIMEDLDTNADKQLSFEEFILMMLRALTWASHEKMHQDGPPGGHKKPGLGEGTP

Production host
Escherichia coli (E. coli)

Product code
710019

Product formulation
Lyophilized

Product buffer solution
PBS, pH 7.4

Reconstitution
Reconstitute lyophilized protein with 100 µl of deionized water

Storage at
-20 °C

Analyte description
Calprotectin belongs to the family of S100 proteins and is composed of two subunits S100A8 and S100A9. Increased plasma concentrations are found in response to infections and inflammation. Faecal calprotectin measurement is used for detection of gastrointestinal inflammation or neoplasia and for assessment of inflammatory bowel disease activity and response to treatment.

Product concentration
0.5 mg/ml when reconstituted with 100 µl of deionized water

Purity
SDS-PAGE > 90 %

Reactivity with MedixMABs
Anti-h Calprotectin 3403: +
Anti-h Calprotectin 3404: –
Anti-h Calprotectin 3405: –
Anti-h Calprotectin 3406: –
Anti-h Calprotectin 3407: –

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