Product datasheet:

Calprotectin

Overview

Product name: Calprotectin
Alternative names: Protein S100, calgranulin, leucocyte L1 complex, migration inhibitory factor-related protein, MRP8/14, S100 calcium-binding protein
Uniprot: Accession numbers P05109, P06702
Description: Heterotetramer containing two 10 kDa and two 14 kDa subunits
Source material: Human neutrophils
Purity: >90% by SDS-polyacrylamide electrophoresis
Purification: purified using conventional chromatography procedures
Clinical applications: Faecal calprotectin determination has been shown to be useful in the diagnosis and management of inflammatory bowel disease

Images

References

Kerkhoff C, Klempt M, Sorg C. Novel insights into structure and function of MRP8 (S100A8) and MRP14 (S100A9). Biochim. Biophys. Acta 1998, 1448:200-211
Korndörfer IP, Brueckner F, Skerra A. The crystal structure of the human (S100A8/S100A9)2 heterotetramer, calprotectin, illustrates how conformational changes of interacting alpha-helices can determine specific association of two EF-hand proteins. J. Mol. Biol. 2007, 370:887-898
Lewis JD. The utility of biomarkers in the diagnosis and therapy of inflammatory bowel disease. Gastroenterology 2011, 140:1817-1826

Ordering information

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>ATC04-02</td>
<td>Calprotectin (from human neutrophils)</td>
<td>0.20 mg</td>
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<tr>
<td>ATC04-10</td>
<td>Calprotectin (from human neutrophils)</td>
<td>1.0 mg</td>
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</tbody>
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AROTEC Calprotectin Datasheet A/13.05.30