



Calprotectin Antigen (DAG-T1230)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Purified using conventional chromatography procedures. Heterotetramer containing two 8 kDa and two 14 kDa subunits. SDS-polyacrylamide electrophoresis of DAG-T1230 Calprotectin antigen showing two subunits of m.wt. 8 and 14 kDa.
Species	Human
Purity	> 90% by SDS-polyacrylamide electrophoresis.
Conjugate	N/A
Applications	Clinical Applications: Faecal calprotectin determination has been shown to be useful in the diagnosis and management of inflammatory bowel disease.
Molecular Weight	Calprotectin antigen is seen as a ~48kDa heterotetramer based on the size-exclusion profile observed.
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements.
Size	0.2 mg, 1 mg
Preservative	None
Storage	Store at -80°C. Avoid multiple freeze/thaw cycles

BACKGROUND

Introduction	Calprotectin is an important calcium signalling protein involved in wound healing. A complex of both MRP14 and MRP8, calprotectin plays a role in vascular inflammation and leukocyte recruitment. Extracellular release of calprotectin during cell damage/stress can be used as a
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marker for intestinal inflammation. There is growing evidence that faecal calprotectin correlates with mucosal disease activity which can be utilised as a monitoring response to relapse and treatments in inflammatory bowel disease. Measurement of faecal calprotectin is a biochemical test for intestinal inflammation, including inflammatory bowel disease. Under specific clinical scenario, the test may eliminate the need for invasive colonoscopy or radio-labelled white cell scanning.

Keywords	calprotectin antigen, native calprotectin, calprotectin protein
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GENE INFORMATION

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