Active Recombinant Human Calprotectin S100A9 Protein

Cat. No. S100A9-1019H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	2-114 a.a.
Antigen 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.
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.
Form	Lyophilized
Bio-activity	Anti-h Calprotectin 3403: + Anti-h Calprotectin 3404: - Anti-h Calprotectin 3405: - Anti-

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	h Calprotectin 3406: - Anti-h Calprotectin 3407: -
Molecular Mass	13kDa
AA Sequence	TCKMSQLERNIETIINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLKKENKNEKVI EHIMEDL DTNADKQLSFEEFIMLMARLTWASHEKMHEGDEGPGHHHKPGLGEGTP
Purity	>90% by SDS-PAGE
Storage	-20centigrade
Concentration	0.5 mg/ml when reconstituted with 1000 µof deionized water
Storage Buffer	PBS, pH 7.4
Reconstitution	Reconstitute lyophilized protein with 1000 µof deionized water

GENE INFORMATION

Gene Name	S100A9 S100 calcium binding protein A9 [Homo sapiens]
Official Symbol	S100A9
Synonyms	S100A9; S100 calcium binding protein A9; CAGB, CFAG, S100 calcium binding protein A9 (calgranulin B) , S100 calcium binding protein A9 (calgranulin B); protein S100-A9; 60B8AG; CGLB; LIAG; MAC387; MIF; MRP14; NIF; P14; MRP-14; calgranulin B; calgranulin-B; calprotectin L1H subunit; leukocyte L1 complex heavy chain; migration inhibitory factor-related protein 14; S100 calcium-binding protein A9 (calgranulin B); CAGB; CFAG; L1AG;
Gene ID	6280

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mRNA Refseq	NM_002965
Protein Refseq	NP_002956
MIM	123886
UniProt ID	P06702

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