



Human S100A8 peptide (DAG-P0943)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis. [provided by RefSeq, Jul 2008]
Specificity	Expressed by macrophages in chronic inflammations. Also expressed in epithelial cells constitutively or induced during dermatoses.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the S-100 family. Contains 2 EF-hand domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	S100A8 S100 calcium binding protein A8 [Homo sapiens (human)]
Official Symbol	S100A8
Synonyms	S100A8; S100 calcium binding protein A8; P8; MIF; NIF; CAGA; CFAG; CGLA; L1Ag; MRP8;

CP-10; MA387; 60B8AG; protein S100-A8; MRP-8; calgranulin A; calgranulin-A; cystic fibrosis antigen; calprotectin L1L subunit; urinary stone protein band A; leukocyte L1 complex light chain; migration inhibitory factor-related protein 8; S100 calcium-binding protein A8 (calgranulin A);

Entrez Gene ID	6279
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mRNA Refseq	NM_002964.4
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Protein Refseq	NP_002955.2
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UniProt ID	P05109
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Chromosome Location	1q21
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Function	RAGE receptor binding; Toll-like receptor 4 binding; arachidonic acid binding; calcium ion binding; microtubule binding; protein binding; zinc ion binding;
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