



## Recombinant Human Calprotectin (S100A8&S100A9) [His] (DAG-WT2154)

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

### PRODUCT INFORMATION

Species	Human
Purity	> 95% as determined by SDS-PAGE
Conjugate	His
Applications	Immunoassays
Molecular Weight	11.7 kDa&13.27 kDa
Format	Lyophilized
Size	100 µg, 500 µg
Buffer	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization
Preservative	None
Storage	Store at -20°C

### BACKGROUND

Introduction	S100A8/A9, also known as Calprotectin, is a heterodimeric protein that belongs to the family of low molecular weight, calcium binding S100 proteins with two EF-hand calcium binding domains. Calcium and zinc binding influences the S100A8/A9 conformation and oligomerization state, which includes the self-assembly into homo- and heterodimers and larger oligomers. S100A8/A9 is elevated in blood and other body fluids in many pathological conditions including rheumatoid arthritis, inflammatory bowel diseases, viral or microbial infections, and tumors.
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S100A8/A9 is identified as an endogenous activator of TLR4 and is involved in promoting the inflammatory response in infections.

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**Keywords** Calprotectin; S100A8/A9

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## GENE INFORMATION

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**UniProt ID** P05109&P06702

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