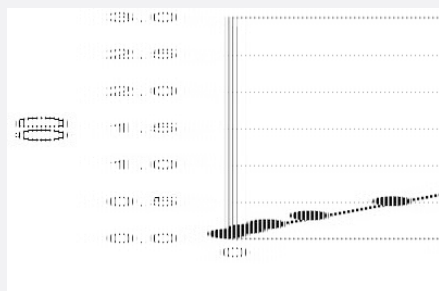


S100A8 (Human) ELISA Kit

Catalog # KA1049

Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	S100A8 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human S100A8/MRP8 in serum, plasma, and other biological media.
Suitable Sample	Biological Medium, Plasma, Serum
Sample Volume	100 uL (1:100 prediluted)
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Intra-Assay	3.75%
Inter-Assay	5.16%
Calibration Range	78.1 to 5000 pg/mL
Limit of Detection	43.4 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)

Quality Control Testing

Standard curve

The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Storage Instruction

Store the kit at 4°C away from light.

Applications

- Quantification

Gene Info — S100A8

Entrez GeneID[6279](#)**Gene Name**

S100A8

Gene Alias

60B8AG, CAGA, CFAG, CGLA, CP-10, L1Ag, MA387, MIF, MRP8, NIF, P8

Gene Description

S100 calcium binding protein A8

Omim ID[123885](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

OTTHUMP00000015329|OTTHUMP00000015330|S100 calcium-binding protein A8|S100 calcium-binding protein A8 (calgranulin A)|calgranulin A|cystic fibrosis antigen

Publication Reference

- [Early recruitment of phagocytes contributes to the vascular inflammation of giant cell arteritis.](#)

Foell D, Hernandez-Rodriguez J, Sanchez M, Vogl T, Cid MC, Roth J.

The Journal of Pathology 2004 Nov; 204(3):311.

Application: Quant, Human, Human serum

- [S100A9/S100A8: Myeloid representatives of the S100 protein family as prominent players in innate immunity.](#)

Nacken W, Roth J, Sorg C, Kerkhoff C.

Microscopy Research and Technique 2003 Apr; 60(6):569.

Application: Quant, Human, Human plasma

- [Il-10 up-regulates macrophage expression of the S100 protein S100A8.](#)

K Xu, T Yen, C L Geczy.

Journal of Immunology 2001 May; 166(10):6358.

Application: Quant, Mouse, Raw 264.7 cells

Disease

- [Aggressive Periodontitis](#)
- [Dermatitis](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Calculi](#)
- [Periodontitis](#)