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S100A8 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant S100A8.
Catalog # AT3763a

Specification

S100A8 Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	P05109
Other Accession	BC005928
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	10835

S100A8 Antibody (monoclonal) (M01) - Additional Information

Gene ID 6279

Other Names
Protein S100-A8, Calgranulin-A, Calprotectin L1L subunit, Cystic fibrosis antigen, CFAG, Leukocyte L1 complex light chain, Migration inhibitory factor-related protein 8, MRP-8, p8, S100 calcium-binding protein A8, Urinary stone protein band A, Protein S100-A8, N-terminally processed, S100A8, CAGA, CFAG, MRP8

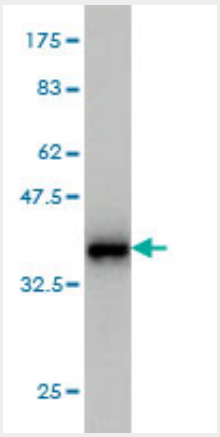
Target/Specificity
S100A8 (AAH05928.1, 1 a.a. ~ 93 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
S100A8 Antibody (monoclonal) (M01) is for research use only and not for use in



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.97 KDa) .

S100A8 Antibody (monoclonal) (M01) - Background

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.

S100A8 Antibody (monoclonal) (M01) - References

iPLA2, a novel determinant in Ca2+- and phosphorylation-dependent S100A8/A9 regulated NOX2 activity. Schenten V, et al. Biochim Biophys Acta, 2010 Jul. PMID 20219570.Evaluation of calprotectin level in intestinal content as an early marker for graft rejection. Cagnola H, et al. Transplant Proc,

diagnostic or therapeutic procedures.

S100A8 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

2010 Jan-Feb. PMID 20172281.S100A8/A9 induces autophagy and apoptosis via ROS-mediated cross-talk between mitochondria and lysosomes that involves BNIP3. Ghavami S, et al. Cell Res, 2010 Mar. PMID 19935772.S100A8/A9: a mediator of severe asthma pathogenesis and morbidity? Halayko AJ, et al. Can J Physiol Pharmacol, 2009 Oct. PMID 19898558.Calprotectin--a novel marker of obesity. Mortensen OH, et al. PLoS One, 2009 Oct 12. PMID 19823685.