

Product datasheet for **AM26218PU-N**

MRP8 (S100A8) Mouse Monoclonal Antibody [Clone ID: 7C12/4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7C12/4
Applications:	ELISA, WB
Recommended Dilution:	Flow cytometry: The typical starting working dilution is 1:10. Immunoassay (as detector). Western blot: The typical starting working dilution is 1:10.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Specificity:	This antibody recognizes an epitope on the S100A8 (MRP-8) protein.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein G
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	S100 calcium binding protein A8
Database Link:	Entrez Gene 6279 Human P05109



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Background:

The calcium-binding, migration inhibitory factor-related proteins, MRP-8 (S100A8) and MRP-14 (S100A9) belong to the S100 protein family. The expression of these proteins is largely confined to the cytosol of neutrophils and monocytes. The complex formation of these proteins is a calcium-dependent process. The S100A8/A9 heterocomplex, also called MRP-8/MRP-14 complex or calprotectin, comprises 60% of the cytoplasmic protein fraction of circulating polymorphonuclear granulocytes and is also found in monocytes, macrophages and ileal tissue eosinophils. In inflammatory conditions small venules stain with both anti-S100A8 and S100A9. The staining of the two subunits is always coincident. The S100A8/A9 complex has antibacterial, antifungal and immunomodulating and antiproliferative effects. Besides this it is a potent chemotactic factor for neutrophils.

Synonyms:

S100-A8, CAGA, MRP-8, CFAG