



BMA BIOMEDICALS

Polyclonal Antibody to Human MRP8/14

S100A8/A9, Calprotectin, L1 protein - Acute inflammation marker

This polyclonal antibody recognizes different epitopes on the MRP8/14 heterocomplex (S100A8/S100A9). It is particularly suited for use in ELISA or similar assays. It was generated by immunising chickens with recombinant MRP8/14. Thus, the antibody does not discriminate between the individual subunits MRP8 or MRP14. In immune histochemistry, it detects early inflammatory macrophages and can thus be used for the classification of acute stage inflammation in tissue sections and in smears. The MRP8/14 specific ELISA has shown significant advantages in the early assessment of certain acute inflammatory conditions.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1522 (Lot 06PP24039)
Clone:	Polyclonal antibody
Host species, isotype:	Chicken IgY
Quantity:	100µg
Format:	Purified from egg yolk by repeated precipitation; liquid. Supplied as a 25 µl solution. This stock solution contains 1mg/ml IgY, phosphate buffered saline pH 7.2 (PBS), and 0.09% sodium azide as a preservative.
Stability:	Original vial: 6 months at 4° - 8°C from date of purchase.
Applications:	Tested for immunohistochemistry (IHC) and ELISA. Approximate working dilution for IHC: Frozen sections: 0.5µg/ml (1:2000) Paraffin sections: 4µg/ml (1:250); pretreatment with Proteinase K for antigen retrieval is recommended Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil. Please see www.bma.ch for protocols and general information.
Immunogen:	Recombinant human MRP8 and MRP14
Protein database:	human-P05109 , human-P06702

Antigen, epitope: MRP8 and MRP14 and their Ca²⁺-dependent complex.
Several epitopes.

Specificity: **Human:** MRP8/14
Other species: reacts with bovine and swine spleen.

Selected references

Johne, B. et al.: Functional and clinical aspects of the myelomonocyte protein calprotectin. J. Clin Pathol. 50: 113-123 (1997)

For in vitro research only. This product contains sodium azide as a preservative.