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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.

Product Number:	T-1522
Clone:	Polyclonal antibody
Host species, isotype:	Chicken IgY
Quantity:	200µg
Format:	Purified from egg yolk by repeated precipitation; liquid. Supplied as a 0.2ml solution. This stock solution contains 1mg/ml IgY, phosphate buffered saline pH 7.2 (PBS), and 0.09% sodium azide as a preservative.
Stability:	Stock solution or aliquots thereof: 6 months at 4°C.
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) Proteinase K pretreatment for antigen retrieval is recommended. Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil.
Immunogen:	Recombinant human MRP8 and MRP14.
Antigen, epitope:	MRP8 and MRP14 and their Ca ²⁺ -dependent complex. Several epitopes.
Specificity:	Human: MRP8/14 Other species: not tested.

For *in vitro* research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.