
Biotinylated 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-1526

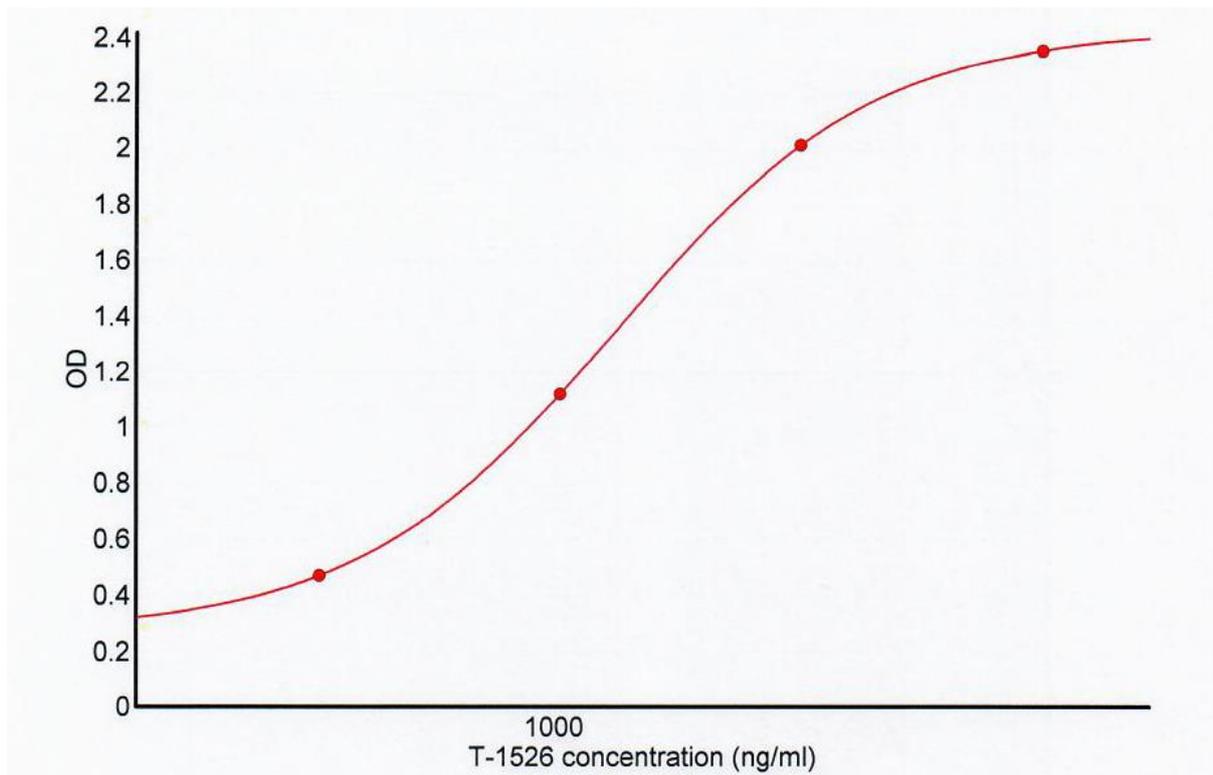
Clone: polyclonal antibody

Lot: 05PB1407

TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species, isotype:	Chicken IgY
Quantity:	200µg
Format:	Purified from egg yolk by repeated precipitation; biotinylated, liquid. Supplied as 0.2ml solution. This stock solution contains 1mg/ml IgY, phosphate buffered saline pH 7.2 (PBS), and Kathon 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: 1µg/ml (1:1000) 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. Please see www.bma.ch for protocols and general information.
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: reacts with bovine and porcine spleen sections in immune histochemistry.

Titration of T-1526 against human Calprotectin:



Titration of T-1526 against natural human Calprotectin yields a titration curve with an EC50 of 1300ng/ml. The setup used the unlabeled monoclonal anti Calprotectin (clone 27E10, product #T-1023) as capture antibody and 250ng/ml purified human Calprotectin as antigen in a classical sandwich ELISA. The linear portion of the titration curve lies roughly between 0.5 and 2.5 μ g/ml.

For *in vitro* research only. This product contains Kathon as a preservative.

T-1526

Polyclonal anti MRP8/14 Biotin

16.2.2018