

# anti-human /- bovine Calprotectin (MRP8/14)

## Monoclonal Antibody 27E10 to Calprotectin (Human / Bovine)

Cat-No: **216110231**

100 µg in 100 µl

**Clone:** 27E10

**Specificity:** Monoclonal antibody 27E10 recognizes an epitope on the MRP8/14 heterocomplex that is not exposed on the individual subunits MRP8 or MRP14. It is ideally suited for the detection of early inflammatory macrophages and thus for the classification of acute stage inflammation in tissue sections and in smears, the characterization of tumorous tissues and the *in vitro* monitoring of peripheral blood cell cultures. The corresponding MRP8/14 ELISA (product S-1011) has shown great advantages in the early assessment of certain acute inflammatory conditions.

**Isotype subclass:** Mouse IgG1 k

**Form:** Affinity purified from cell culture supernatant

**Physical state:** liquid

**Buffer/Additives/Preservative:** PBS containing 0.09 % sodium azide (pH 7.2).

**Expiration date:** The reagent is stable until the expiry date stated on the vial label.

**Storage conditions:** Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

**Application:** Flow Cytometry, Immunohistochemistry (f / p), ELISA

### References:

- \* Bhardwaj, R.S. et al.: The Calcium-binding proteins MRP8 and MRP14 form a membrane associated heterodimer in a subset of monocytes/macrophages present in acute but absent in chronic inflammatory lesions. *Eur. J. Immunol.* 22, 1891 - 1897 (1992).
- \* Burkhardt, K. et al.: MRP8/14 positive macrophages as early acute cellular rejection markers, and soluble MRP8/14 and increased expression of adhesion molecules following renal allograft transplantation. *Transpl. Proceed.* 27: 890-91 (1995)
- \* Johne, B. et al.: Functional and clinical aspects of the myelomonocyte protein calprotectin. *J. Clin Pathol.* 50: 113-123 (1997)
- \* Kiefer, R. et al.: Macrophage differentiation antigens in acute and chronic autoimmune polyneuropathies. *Brain* 121: 469-79 (1998)

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for research only. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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Gladiolenweg 2; 26169 Friesoythe; Germany  
phone:+49-(0)4491-400997, fax:+49-(0)4491-400998, info@immunotools.com  
www.immunotools.com