



## PRODUCT DATA SHEET

**Product:** Anti-MRP14 mAb, clone 47-8D3

**Cat. No.:** MC-479 (100 µg)

**Specificity:**

Anti-MRP-14 clone 47-8D3 reacts with macrophages and detects the well-known leukocyte L1, cystic fibrosis antigen. Using Western blot analysis 47-8D3 was found to detect a single protein band of 14 kDa in lysates of human monocytes and granulocytes, which was demonstrated to be the calcium-binding protein MRP14.

**Species Reactivity:**

Human. Others not tested.

**Ig Isotype:**

Mouse IgG<sub>1</sub>

**Hybridoma:**

A BALB/c mouse was immunized with human peripheral blood monocyte components. Splenocytes were fused with mouse myeloma cell line NS-1.

**Format:**

100 µg purified monoclonal antibody in PBS with 0.05% sodium azide. Concentration: 100 µg/mL.

**Storage:**

Store at 4°C for short term. Aliquot and store at -20°C for long term. Avoid repeated freeze/thaw cycles.

**Applications:**

- Western blot
- Immunohistochemistry (Frozen and paraffin) Staining strongly enhanced after digestion with Trypsin).
- ELISA

This antibody may be used for phenotypical characterization of macrophages and myelomonocytic cells in situ.

The optimal dilution for a specific application should be determined by the researcher.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. **KAMIYA BIOMEDICAL COMPANY** is not liable for any damage, personal injury, or economic loss caused by this product.