

Mouse anti-MRP14/S100A9/calgranulin B, clone 47-8D3 (Monoclonal)

Clone no. 47-8D3

MONOSAN

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Product name	Mouse anti-MRP14/S100A9/calgranulin B, clone 47-8D3 (Monoclonal)
Host	Mouse
Applications	FC, IF, IHC-fr, IHC-P, WB
Species reactivity	baboon, cat, cow, dog, goat, guinea pig, human, horse, monkey, pig, rabbit, rat
Conjugate	-
Immunogen	human peripheral blood monocyte
Isotype	IgG1-K
Clonality	Monoclonal
Clone number	47-8D3
Size	100 ug
Concentration	100 ug/ml
Format	-
Storage buffer	PBS with 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

47-8D3 reacts with macrophages and detects the well-known leukocyte L1, cystic fibrosis antigen. Detecting a single protein band of 14 kDa in Western blots of lysates of human monocytes and granulocytes, the antigen was identified as the calcium-binding protein MRP14, which is a member of the S100 family involved a.o. in regulating the cell cycle. MRP14 is also implicated in the abnormal differentiation of myeloid cells in the stroma of cancer. It is further found on squamous mucosal epithelia. When associated with MRP8 it forms the heterodimer calprotectin.

**References**

1. Flavell DJ. et al., J. Histochem. Cytochem. 35: 1217-1226 (1987)
2. Facchetti F. et al., Am. J. Clin. Pathol. 92: 42-50 (1989)
3. Bardadin KA. et al., J. Pathol. 164: 253-259 (1991)
4. Goebeler M. et al., J. Leukocyte Biol. 55: 259-261 (1994)
5. -

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