

Rabbit Anti-S100A9/MRP14 [EP185]: RM0174

Intended Use: For Research Use Only

Description: S100A9, also known as MRP14, is a member of the S100 family of proteins containing two EF-hand calcium-binding motifs. It forms a heterodimer, Calprotectin, with S100A8 in a calcium-dependent manner. S100A9 may function in the inhibition of casein kinase and altered expression of this protein is associated with the disease cystic fibrosis. S100A9 is expressed in granulocytes, monocytes in peripheral blood and in infiltrating macrophages in inflammatory sites but not in normal tissue macrophages. Elevated plasma levels of S100A9 have been observed in inflammatory disorders such as chronic bronchitis, cystic fibrosis and rheumatoid arthritis. S100A9 is also detected in tumor cells in carcinomas of the liver, lung, breast and thyroid. The expression of S100A9 is correlated with tumor differentiation.

Specifications

Clone: EP185
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Cytoplasm
Formulation: Tissue culture supernatant in PBS pH7.5, containing 0.2% BSA, 15mM sodium azide (NaN₃)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
S100A9/MRP14 Concentrated	RM0174	1 ml

IHC Procedure*

Positive Control Tissue: Spleen, inflammatory tissue
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.

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Rev. A