

Rabbit Anti-S100A8/MRP8 [EP90]: RM0129

Intended Use: For Research Use Only

Description: Myeloid Related Protein 8 (MRP8), also known as S100A8, is a calcium binding protein that belongs to the S100 family. By a Ca²⁺ dependent manner, S100A8/A9 forms Calprotectin, a heterodimeric inflammatory mediator of inflammation found in the cytoplasm of neutrophils and expressed on the membrane of monocytes. S100A8 is expressed during myeloid differentiation and chronic inflammations, and it is expressed constitutively or induced in epithelial cells during dermatose. MRP8 is expressed in cells with myeloid origin, including granulocytes, monocytes and macrophages, and it is observed in blood granulocytes and monocytes. It is also expressed in infiltrate macrophages during inflammatory reactions, but not in normal tissue macrophages. MRP8 also reacts with activated microglial cells in human cerebral malaria. In tumors, positive staining of MRP8 has been observed in various cancers including pancreatic cancer, and it has been linked to inflammation-associated cancers.

Specifications

Clone: EP90
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Localization: Cytoplasm, membrane
 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
S100A8/MRP8 Concentrated	RM0129	1 ml

IHC Procedure*

Positive Control Tissue: Spleen
 Concentrated Dilution: 50-200
 Pretreatment: Citrate pH6.0, 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.