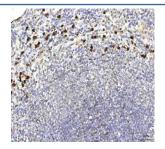


# **\$100A12 Antibody (RQ8717)**

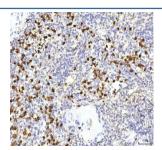
Catalog No.	Formulation	Size
RQ8717	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

# **Bulk quote request**

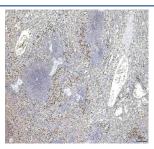
Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P80511
Applications	Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This S100A12 antibody is available for research use only.



IHC staining of FFPE human spleen tissue with S100A12 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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### **Description**

S100 calcium-binding protein A12 (S100A12) is a protein that in humans is encoded by the S100A12 gene. The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein is proposed to be involved in specific calcium-dependent signal transduction pathways and its regulatory effect on cytoskeletal components may modulate various neutrophil activities. The protein includes an antimicrobial peptide which has antibacterial activity.

#### **Application Notes**

Optimal dilution of the S100A12 antibody should be determined by the researcher.

#### **Immunogen**

A synthetic peptide from the C-terminus of human S100A12 was used as the immunogen for the S100A12 antibody.

## **Storage**

After reconstitution, the S100A12 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.