



S100 A8+A9 Mouse mAb(11C12)

Catalog No	YP-Ab-04822
Isotype	IgG
Reactivity	Human
Applications	IHC
Gene Name	S100 A8+A9
Immunogen	Synthesized peptide derived from human S100 A8+A9
Specificity	This antibody detects endogenous levels of S100 A8+A9 at Human
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.64% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	S10A8/9;S100 A8+A9
Observed Band	14kD
Calculated Molecular Weight	14kD
Cell Pathway	Secreted. Cytoplasm. Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein. Predominantly localized in the cytoplasm. Upon elevation of the intracellular calcium level, translocated from the cytoplasm to the cytoskeleton and the cell membrane. Upon neutrophil activation or endothelial adhesion of monocytes, is secreted via a microtubule-mediated, alternative pathway.
Tissue Specificity	Calprotectin (S100A8/9) is predominantly expressed in myeloid cells. Except for inflammatory conditions, the expression is restricted to a specific stage of myeloid differentiation since both proteins are expressed in circulating neutrophils and monocytes but are absent in normal tissue macrophages and lymphocytes. Under chronic inflammatory conditions, such as psoriasis and malignant disorders, also expressed in the epidermis. Found in high concentrations at local sites of inflammation or in the serum of patients with inflammatory diseases such as rheumatoid, cystic fibrosis, inflammatory bowel disease, Crohn's disease, giant cell arteritis, cystic fibrosis, Sjogren's syndrome, systemic lupus erythematosus, and progressive systemic sclerosis. Involved in



the formation and deposition of am

Function

Background

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 calcium binding protein A8, A9 (S100A8, A9 Complex) Homo sapiens. The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs.

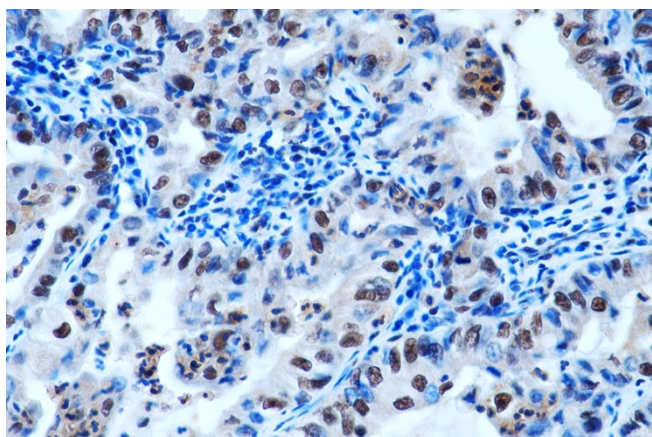
matters needing attention

Avoid repeated freezing and thawing!

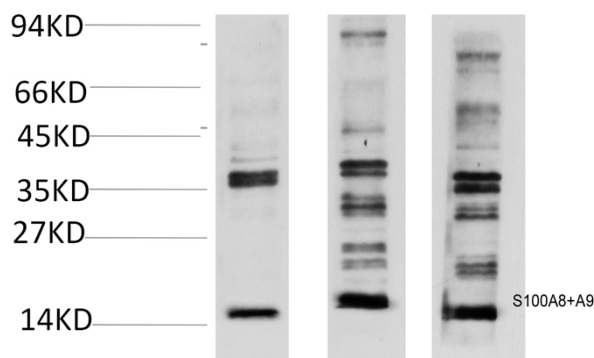
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma Tissue using S100A8+A9 Complex Mouse mAb diluted at 1:200.



Western blot analysis of A) A549 Cell, B) Mouse Spleen Tissue, 3) Rat Lung Tissue Lysate using S100A8+A9 Complex Mouse mAb diluted at 1:2,000.