

Rabbit Anti-S100 alpha 2/Cy5 Conjugated antibody

SL7873R-Cy5

Product Name	Anti-S100 alpha 2/Cy5
Chinese Name	Cy5 标记的 S100A2 抗体
Alias	S100 calcium binding protein A2; CAN19; MGC111539; Protein S 100L; Protein S-100L; Protein S100 A2; Protein S100-A2; Protein S100L; S100 A2; S100 calcium-binding protein A2; S100A2; S100L; S10A2_HUMAN.
Research Area	Tumour Cell biology Signal transduction Cyclin Binding protein Cell differentiation
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Goat,Cat,lizard) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	11kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human S100 alpha 2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: The protein encoded by this gene is a member of the S100family of proteins containing 2 EF-hand calcium-binding motifs.S100 proteins are localized in the cytoplasm and/or nucleus of awide 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 may have a tumor suppressor function. Chromosomal rearrangements and altered expression of this gene have been implicated in breast cancer.

Function:

May act as a modulator against excess calcium accumulation in normal human mammary epithelial cells. May also play a role in suppressing tumor cell growth.

Subunit:

Homodimer. Interacts with FKBP4.

Tissue Specificity:

A subset of epithelial cells including normal human mammary epithelial cells and keratinocytes.

Similarity:

Belongs to the S-100 family
Contains 2 EF-hand domains.

Database links:

UniProtKB/Swiss-Prot: P29034.3

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.