

S100 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50083

Clone# BP6088

Predicted Molecular Wt: 21kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P04271

Background:

S100 is a 21kDa highly acidic and water soluble protein, which is expressed in a wide variety of normal and neoplastic cells of mesodermal, neuroectodermal, and epithelial origin. The protein is a dimer, having two subunits, alpha and beta, with extensive sequence homology. There are 3 forms of S-100 protein: alpha-alpha, known as S-100A0; alpha-beta, known as S-100A and beta-beta, known as S-100B. The immunohistochemical evaluation of S-100 (beta) protein expression is important in the diagnosis of undifferentiated malignant tumours of unknown primary origin and should be included in the so-called primary panel. S100 is a very sensitive marker for malignant melanoma of all types. S100 may be used in the differential diagnosis of sarcomas and spindle cell tumours.

Subcellular location:

Cytoplasm, Nuclears

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to residues within aa50-150 of S100 was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C

Storage instructions:

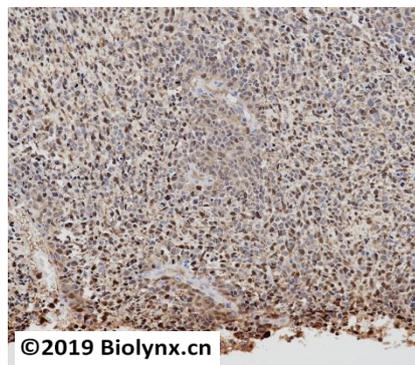
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

- Hagen EC, Vennegoor C, Schlingemann RO, Van der Velde EA, Ruiter DJ. Histopathol 1986;10:689-700.
- Schafer BW, Heizmann CW. Trends Biochem Sci. 1996 Apr;21(4):134-40.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of melanoma labelling S100 with BP6088. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.