Anti S100 β (74-92) (Human, Mouse) Serum Cat. No. YP081

Description: This antiserum was raised in a rabbit by immunization with a keyhole lympet hemocyanin (KLH) protein conjugate of synthetic S100 β (74-92) (human, mouse) peptide fragment. The product vial contains 50 μL of the titled serum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoreactions such as immunohistochemistry and western blotting with S100 β protein (human, mouse).

Immunogen: Synthetic S100 β (74-92) (human, mouse)-KLH conjugate **Host:** Rabbit

Amino Acid Sequence of S100 β (74-92) (human, mouse) [1, 2]**:**

74 92
FMAFVAM VTTACHEFFE HE

Product Form: Lyophilized unpurified serum **Size:** 50 μL

Reconstitution: Reconstitute the product with 0.5mL of 0.01M PBS (pH7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN_3 0.1%).

Storage: The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Repeated freezing- thawing should be avoided.

Suggested Working Dilution Range: 1:1,000-10,000 for immunohistochemistry. Optimal dilution should be determined by each laboratory for each application.

Specificity (based on non-competitive EIA)**:** S100 β (74-92) (human, mouse) 100%, S100 β (bovine) 100%, S100 β (16-36) (human, mouse, rat) 0%, S100 β (41-60) (human, mouse, rat) 0%.

Positive Control (immunohistochemistry)**:** Human and mouse duodenum

Species Tested: Human, rat

REFERENCES:

1) R. Jensen, D.R. Marshak et al., Characterization of human brain S100 protein fraction: amino acid sequence of S100 beta, Journal of Neurochemistry 45: 700-705, 1985

2) H. Jiang, S. Shah and D.C. Hilt. Orgnization, sequence, and expression of the murine S100 beta gene. Transcriptional regulatoin by cell type-specific cis-acting regulatory elements. Journal of Biological Chemistry. 268:20502-20511, 1993

FOR RESEARCH LABORATORY USE ONLY
DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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