



**Anti S100 b (74-92) (Human, Mouse) Serum**  
**Cat. No. YII-YP081-EX      Lot No. 330140426**

**Description:** This antiserum was raised in a rabbit by immunization with a keyhole limpet hemocyanin (KLH) protein conjugate of synthetic S100 b (74-92) (human, mouse) peptide fragment. The product vial contains 50 $\mu$ L 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 b protein (human, mouse).

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

**Amino Acid Sequence of S100 b (74-92) (human, mouse)<sup>1, 2)</sup>:**  
FMAFVAM VTTACHEFFE HE

**Product Form:** Lyophilized unpurified serum **Size:** 50  $\mu$ L

**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<sub>3</sub> 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 reconstituted, 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 b (74-92) (human, mouse) 100%, S100 b (bovine) 100%, S100 b (16-36) (human, mouse, rat) 0%, S100 b (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. Organization, sequence, and expression of the murine S100 beta gene. Transcriptional regulation 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

