## Anti S100 β (74-92) (Human, Mouse) Serum

Cat. No. YP081

Lot No. 330140426

**Description:** This antiserum was raised in a rabbit by immunization with a keyhole lympet hemocyanin (KLH) protein conjugate of synthetic S100  $\beta$  (74-92) (human, mouse) 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, western blotting with S100  $\beta$  protein (human, mouse).

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

Amino Acid Sequence of S100  $\beta$  (74-92) (human, mouse) 1, 2;

74

FMAFVAM VTTACHEFFE HE

Product Form: Lyophilized unpurified serum

Size:  $50 \mu L$ 

Host: Rabbit

**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 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  $\beta$  (74-92) (human, mouse) 100%, S100  $\beta$  (16-36) (human, mouse, rat) < 0.1%, S100  $\beta$  (41-60) (human, mouse, rat) < 0.1%.

Positive Control (immunohistochemistry): Human and mouse duodenum

Species Tested: Human, rat

## **REFERENCES:**

- 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 regulator 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

Yansihora Institute Inc.

2480-1 Awakura, Fujinomiya, Shizuoka, 418-0011 Japan TEL: +81-544-22-2771 FAX: +81-544-22-2770

For more infomation, please visit our internet website: http://www.yanaihara.co.jp or contact us to: ask@yanaihara.co.jp