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Anti human S100A4 mouse monoclonal antibody

S100A4: S100 calcium binding protein A4

Code No.	PP-2E10-0C
Clone No.	2E10
RRID	AB_3752981
Isotype	IgG1
Host	mouse
Conjugate	none
Alias	Calvasculin, Metastasin, MTS1, CAPL, FSP1, P9KA, PEL98
UniProt ID	P26447
Entrez Gene ID	6275 (human)
Specificity	This antibody specifically recognizes human S100A4 protein. No cross-reactivity with other human S100 family proteins (S100A1–A16, S100B, S100G, S100P, S100Z) was detected by ELISA. Reactivity with other species has not been tested.
Immunogen	human S100A4
Concentration	1 mg/mL
Volume	100 µL
Formulation	Physiological saline with 0.1% sodium azide as a preservative.
Purification	Protein A affinity chromatography
Origin	Produced in serum-free medium with hybridoma of mouse myeloma cells (P3U1) and iliac lymph node-derived cells obtained from a GANP® mouse immunized with human S100A4.
Storage	Store at 2–8°C for up to one month. For long-term storage, aliquot and store at –20°C or below. Repeated freezing and thawing should be avoided, as it may cause degradation and result in reduced performance.
Notes	Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal. GANP® is a trademark of Trans Genic Inc.
Remarks	Recommended for Sandwich ELISA in combination with HRP-conjugated anti-human S100A4 antibody (PP-2H4-0C) as a detection antibody (Fig. 1).

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Application	Recommended Conc. *	Data †	References ‡
ELISA	1–5 µg/mL	Fig.1	—
WB (Western Blot)	2 µg/mL	Fig.2	—

* : Optimal dilutions/concentrations should be determined by the user.

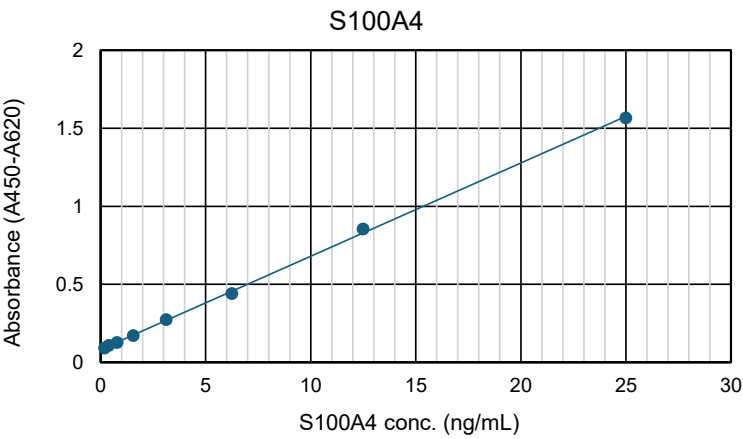
† : Data figures are shown on page 2.



Full online PDF datasheet available here

Application Data

Fig. 1 Sandwich ELISA



Wells were coated with anti-human S100A4 mouse monoclonal antibody (PP-2E10-0C) at 0.5 µg/well overnight at 4°C. After blocking with non-fat dry milk for 1 h at room temperature (RT) and washing, serially diluted human S100A4 solutions were added to each well and incubated at RT. The plate was washed, incubated with HRP-conjugated anti-human S100A4 antibody (PP-2H4-0C, 0.1 µg/mL) at RT, washed again, and visualized with TMB reagent.

Fig. 2 WB (Western Blot)

