

# Product Data Sheet

## S100-A1 Blocking Peptide

| Catalog #                 | Source  | Reactivity     | Applications |
|---------------------------|---|----------------|--------------|
| CBP2043                   | Synthetic   | H, M, R, B, Mk | BL           |
| <b>Description</b>        | The peptide is used to block Anti-S100-A1 Antibody (#CPA2043) reactivity.   |                |              |
| <b>Form</b>               | Lyophilized powder  |                |              |
| <b>Gene Symbol</b>        | S100A1  |                |              |
| <b>Alternative Names</b>  | S100A; Protein S100-A1; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1   |                |              |
| <b>Entrez Gene</b>        | 6271 (Human); 20193 (Mouse); 295214 (Rat)   |                |              |
| <b>SwissProt</b>          | P23297 (Human); P56565 (Mouse); P35467 (Rat)  |                |              |
| <b>Purity</b>             | >85%  |                |              |
| <b>Quality Control</b>    | The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.   |                |              |
| <b>Directions for Use</b> | Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4°C for overnight or at room temperature for 2 hours. |                |              |
| <b>Storage/Stability</b>  | Shipped at 4°C. Store at -20°C for one year.  |                |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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