

# Immunotag™ S100 A1 Antibody

Antibody Specification	
Catalog No.	ITA0188
Product Description	Immunotag™ S100 A1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	S100 A1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB: 1:500~1:3000 IHC: 1:50~1:200 IF/ICC: 1:100~1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human S100 A1
Specificity	S100 A1 antibody detects endogenous levels of total S100 A1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	S100A1
Accession No.	P23297
Alternate Names	Bpb; NEF; Protein S100-A1; S-100 protein alpha chain; S-100 protein subunit alpha; S100 alpha; S100 Alpha Chain; S100; S100 Beta Chain; S100 Calcium Binding Protein A1; S100 Calcium Binding Protein B; S100 Calcium Binding Protein Beta Neural; S100 calcium-binding protein A1; S100 protein alpha polypeptide; S100A; s100a1; S10A1_HUMAN;

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Description	Probably acts as a Ca <sup>2+</sup> signal transducer (PubMed:22399290). In response to an increase in intracellular Ca <sup>2+</sup> levels, binds calcium which triggers a conformational change (PubMed:23351007). This conformational change allows interaction of S1001A with specific target proteins, such as TPR-containing proteins, and the modulation of their activity (PubMed:22399290).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	10kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.