

## S100A4 Mouse Monoclonal Antibody

### Catalog #: EAB21763

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Mouse IgG2a	Monoclonal	WB, IHC-P, IF/ICC, FC	12	Human, Mouse, Rat

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>WB</b> (Western Blotting)	1:1000-5000
<b>IHC-P</b> (Immunohistochemistry-Paraffin)	1:500-2000
<b>IF/ICC</b> (Immunofluorescence/Immunocytochemistry)	1:50-300
<b>FC</b> (Flow Cytometry)	1:50-200

### Product Information

<b>Conjugate</b>	Unconjugate
<b>Specificity</b>	S100A4 Mouse Monoclonal Antibody detects endogenous levels of S100A4 protein.
<b>Purification</b>	Affinity purification
<b>Concentration</b>	1mg/ml
<b>Format</b>	Liquid
<b>Formulation</b>	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
<b>Shipping</b>	Gel Pack
<b>Storage</b>	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
<b>UniProt ID</b>	<a href="#">P26447</a>
<b>Entrez-Gene ID</b>	<a href="#">6275</a>

### Product Description

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified.

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