



# Anti-S100B monoclonal antibody, clone TI-C5 (DCABH-328)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to S100 beta
<b>Antigen Description</b>	Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites. Binds to and initiates the activation of STK38 by releasing autoinhibitory intramolecular interactions within the kinase. Interaction with AGER after myocardial infarction may play a role in myocyte apoptosis by activating ERK1/2 and p53/TP53 signaling.
<b>Specificity</b>	The product does not react with other members of the EF-hand family such as calmodulin, parvalbumin, intestinal calcium-binding protein and myosin light chain. Cross reacts with S100a and S100b subunits.
<b>Immunogen</b>	Full length native protein (purified S100b from Cow).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Rat, Sheep, Rabbit, Goat, Cow, Cat, Dog, Human, Pig
<b>Clone</b>	TI-C5
<b>Purity</b>	Ascites
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, WB, ELISA, Dot Blot, IHC-P
<b>Positive Control</b>	Human tongue tissue slide (IHC-P).

<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Preservative: 15mM Sodium Azide; Constituents: Ascites
<b>Preservative</b>	15mM Sodium Azide
<b>Storage</b>	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">S100B S100 calcium binding protein B [ Bos taurus ]</a>
<b>Official Symbol</b>	S100B
<b>Synonyms</b>	S100B; S100 calcium binding protein B;
<b>Entrez Gene ID</b>	<a href="#">282059</a>