

# S100 Monoclonal Antibody (4C4.9)

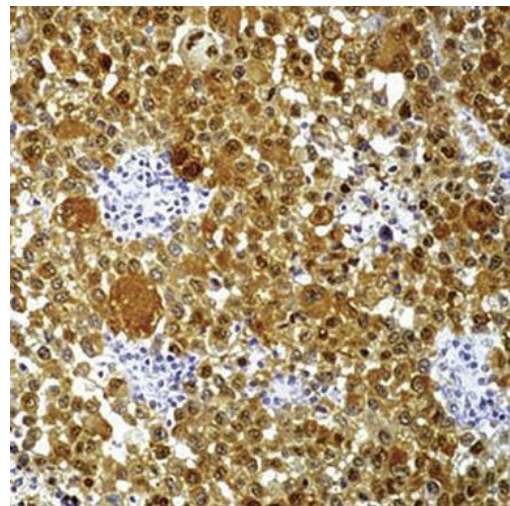
Product Details	
Size	500 µL
Species Reactivity	Bovine, Human, Mouse, Non-human primate, Rat
Published Species	Rat, Non-human primate, Mouse, Human
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	4C4.9
Conjugate	Unconjugated
Immunogen	Purified bovine brain S100 protein.
Form	Liquid
Storage buffer	tissue culture supernatant
Contains	0.09% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_795376

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	51 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	1:50-1:100	-
Immunocytochemistry (ICC/IF)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	2 Publications

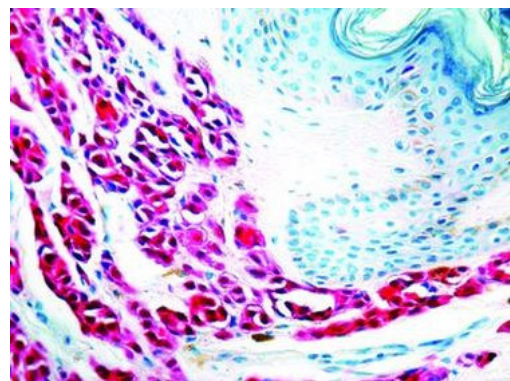
## Product Specific Information

This antibody stains S100 in Schwannomas, ependymomas, astrogliomas, almost all benign and malignant melanomas and their metastases. Immunostaining of formalin-fixed paraffin-embedded tissues require no special pretreatment. Use at a dilution of 1:50-1:100 for 30 minutes at room temperature. A suggested positive control for this product is melanoma.

Product Images For S100 Monoclonal Antibody (4C4.9)



**S100 Antibody (MA1-26621) in IHC (P)**  
Immunohistochemistry (Paraffin) analysis of S100 was performed in formalin-fixed, paraffin-embedded human melanoma tissue using S100 Monoclonal Antibody (4C4.9) (Product # MA1-26621).



**S100 Antibody (MA1-26621) in IHC (P)**  
Immunohistochemical (Paraffin) analysis of human skin tissue using S100 Monoclonal Antibody (4C4.9) (Product # MA1-26621).

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## Western Blot (2)

<p><b>Stem cell research &amp; therapy</b></p> <p><b>Biomimetic nerve guidance conduit containing engineered exosomes of adipose-derived stem cells promotes peripheral nerve regeneration.</b></p> <p>"Published figure using S100 monoclonal antibody (Product # MA1-26621) in Immunohistochemistry"</p> <p>Authors: Yang Z,Yang Y,Xu Y,Jiang W,Shao Y,Xing J,Chen Y,Han Y</p>	<p><b>Year</b> 2021</p>
<p><b>Neuroscience letters</b></p> <p><b>Concomitant distribution shift of glial GABA transporter and S100 calcium-binding proteins in the rat retina after kainate-induced excitotoxic injury.</b></p> <p>"MA1-26621 was used in western blot to study the effect of kainate-induced excitotoxic injury on glial GABA transporter and S100 distribution in rat retina"</p> <p>Authors: Kim D,Kim MJ,Lee JH,Im JO,Won YJ,Yoon SY,Hong HN</p>	<p><b>Year</b> 2003</p> <p><b>Species</b> Rat</p> <p><b>Dilution</b> 1:1000</p>

## Immunohistochemistry (51)

<p><b>Molecular therapy. Methods &amp; clinical development</b></p> <p><b>Gene replacement therapy in a schwannoma mouse model of neurofibromatosis type 2.</b></p> <p>"MA1-26621 was used in Immunohistochemistry to describe a gene replacement approach through direct intratumoral injection of an adeno-associated virus vector expressing merlin in a novel human schwannoma model in nude mice."</p> <p>Authors: Prabhakar S,Beauchamp RL,Cheah PS,Yoshinaga A,Haidar EA,Lule S,Mani G,Maalouf K,Stemmer-Rachamimov A,Jung DH,Welling DB,Giovannini M,Plotkin SR,Maguire CA,Ramesh V,Breakefield XO</p>	<p><b>Year</b> 2022</p> <p><b>Species</b> Mouse</p>
<p><b>Anatomical record (Hoboken, N.J. : 2007)</b></p> <p><b>Specializations of somatosensory innervation in the skin of humpback whales (Megaptera novaeangliae).</b></p> <p>"Published figure using S100 monoclonal antibody (Product # MA1-26621) in Immunohistochemistry"</p> <p>Authors: Eldridge SA,Mortazavi F,Rice FL,Ketten DR,Wiley DN,Lyman E,Reidenberg JS,Hanke FD,DeVreese S,Strobel SM,Rosene DL</p>	<p><b>Year</b> 2022</p>

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- IHC (P) (4)
- Misc (2)

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