Product Datasheet

S100A4 Antibody (S100A4/1481)
NBP2-53178-100ug

Unit Size: 100 ug

Store at 4C.

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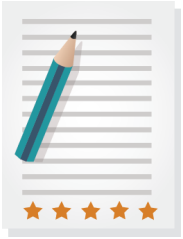
Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-53178

Updated 10/23/2024 v.20.1



NBP2-53178-100ug

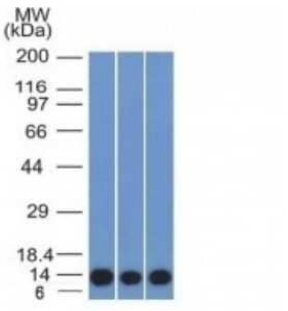
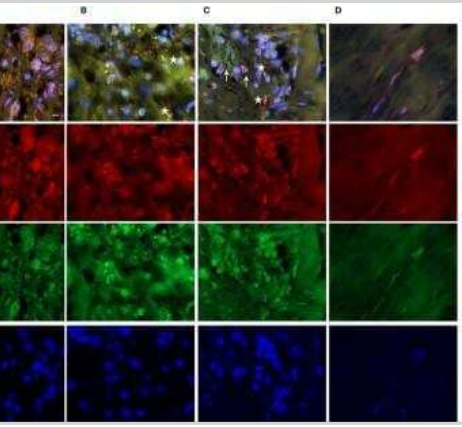
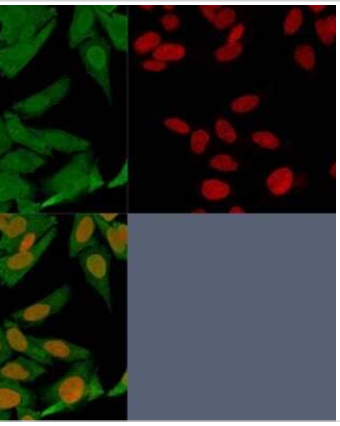
S100A4 Antibody (S100A4/1481)

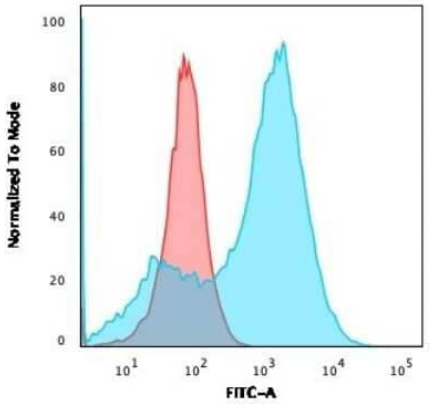
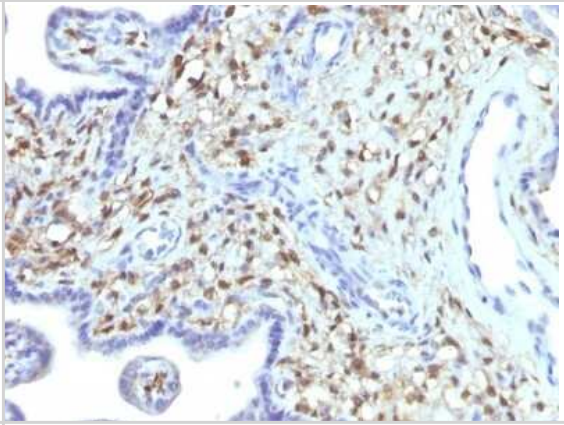
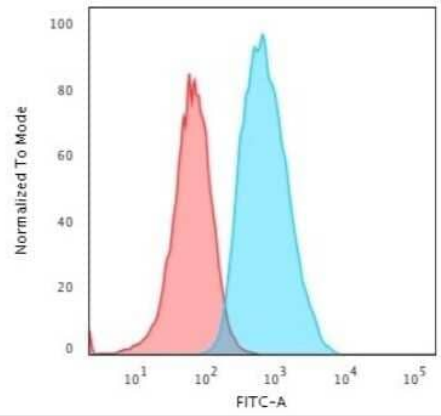
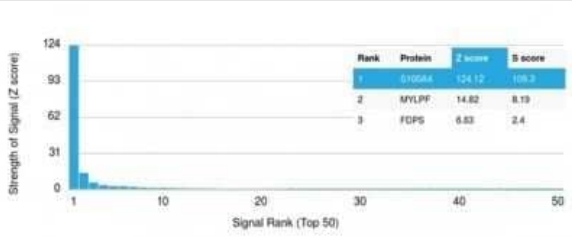
Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	S100A4/1481
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-54580) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	6275
Gene Symbol	S100A4
Species	Human, Mouse
Marker	Marker of Tumor Metastasis
Immunogen	Recombinant fragment (around aa 1-200) of human S100A4 protein (exact sequence is proprietary) (Uniprot: P26447)

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array, Flow (Intracellular)
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

Western Blot: S100A4 Antibody (S100A4/1481) [NBP2-53178] - Western Blot of HeLa, A549 and A375 Cell Lysate using S100A4 Monoclonal Antibody (S100A4/1481).	
Immunohistochemistry: S100A4 Antibody (S100A4/1481) [NBP2-53178] - (A) CYR61 and/or S100A4 expression analysis in 123 invasive ductal carcinoma tissue sections and corresponding lymph node sections from 104 patients (B) and representative immunofluorescence staining analyzed with a 100x oil objective (Axio ZEISS). (C) Within the 123 invasive ductal carcinomas patient tissue sections 33 were stated as being TNBC. (D) Normal breast tissue sections (n = 8) were analyzed for their CYR61 and/ or S100A4 expression using immunofluorescence staining. Scale bar gauges 20 um. Image collected and cropped by CiteAb from the following publication (//www.frontiersin.org/article/10.3389/fonc.2019.01074/full), licensed under a CC-BY license.	
Western Blot: S100A4 Antibody (S100A4/1481) [NBP2-53178] - Western Blot Analysis of HeLa cell lysate using S100A4 Antibody (S100A4/1481).	
Immunocytochemistry/Immunofluorescence: S100A4 Antibody (S100A4/1481) [NBP2-53178] - Immunofluorescence staining of HeLa cells using S100A4 Antibody (S100A4/1481) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Red Dot.	

Flow Cytometry: S100A4 Antibody (S100A4/1481) [NBP2-53178] - Flow Cytometric Analysis of A549 cells using S100A4 Antibody (S100A4/1481) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).	
Immunohistochemistry-Paraffin: S100A4 Antibody (S100A4/1481) [NBP2-53178] - Formalin--paraffin human Placenta stained with S100A4 Monoclonal Antibody (S100A4/1481).	
Flow Cytometry: S100A4 Antibody (S100A4/1481) [NBP2-53178] - Flow Cytometric Analysis of T98G cells using S100A4 Antibody (S100A4/1481) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).	
Protein Array: S100A4 Antibody (S100A4/1481) [NBP2-53178] - Analysis of Protein Array containing more than 19,000 full-length human proteins using S100A4 Antibody (S100A4/1481).	

Publications

Sulaiman R, De P, Aske J et al. Patient-Derived Primary Cancer-Associated Fibroblasts Mediate Resistance to Anti-Angiogenic Drug in Ovarian Cancers Biomedicines 2023-01-01 [PMID: 36672620] (FLOW, Human)

Details:
Intracellular Flow

Hellinger JW, HUchel S, Goetz L et al. Inhibition of CYR61-S100A4 Axis Limits Breast Cancer Invasion Front Oncol. 2019-10-23 [PMID: 31709177] (Human)

Details:
Citation used the Alexa Fluor 488 format of this antibody.

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Products Related to NBP2-53178-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-72326-0.1mg	Recombinant Mouse S100A4 His Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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