

ARG57078 anti-S100A11 antibody [20D11]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [20D11] recognizes S100A11
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Mouse
Clonality	Monoclonal
Clone	20D11
Isotype	IgG1, kappa
Target Name	S100A11
Species	Human
Immunogen	Recombinant fragment around aa. 1-105 of Human S100A11.
Conjugation	Un-conjugated
Alternate Names	S100 calcium-binding protein A11; MLN70; MLN 70; Protein S100-C; HEL-S-43; Metastatic lymph node gene 70 protein; Protein S100-A11; S100C; Calgizzarin

Application Instructions

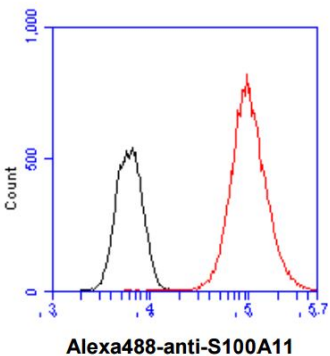
Application table	Application	Dilution
	FACS	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

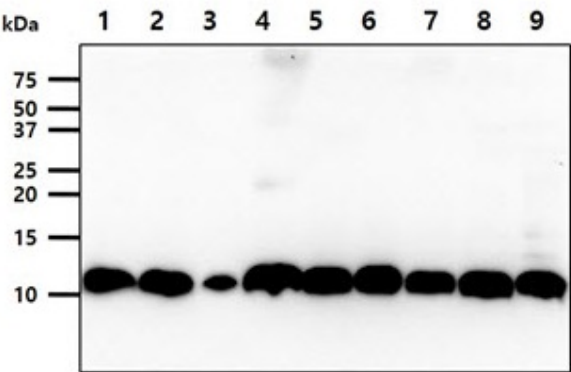
Database links	GeneID: 6282 Human Swiss-port # P31949 Human
Gene Symbol	S100A11
Gene Full Name	S100 calcium binding protein A11
Background	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm 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. [provided by RefSeq, Jul 2008]
Function	Facilitates the differentiation and the cornification of keratinocytes. [UniProt]
Calculated Mw	12 kDa
PTM	Phosphorylation at Thr-10 by PRKCA significantly suppresses homodimerization and promotes association with NCL/nucleolin which induces nuclear translocation.

Images



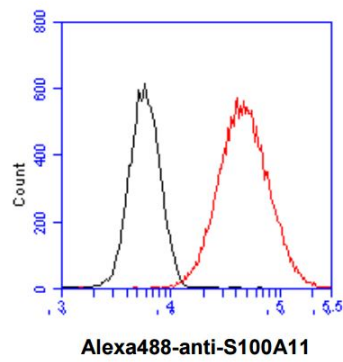
ARG57078 anti-S100A11 antibody [20D11] FACS image

Flow Cytometry: A549 cell line stained with ARG57078 anti-S100A11 antibody [20D11] at 2-5 µg for 1x10⁶ cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was Mouse IgG (black line).



ARG57078 anti-S100A11 antibody [20D11] WB image

Western blot: 40 µg of 1) HeLa cell lysate, 2) MCF7 cell lysate, 3) PC3 cell lysate, 4) HaCaT cell lysate, 5) THP1 cell lysate, 6) U87MG cell lysate, 7) A427 cell lysate, 8) SK-OV-3 cell lysate, 9) A549 cell lysate stained with ARG57078 anti-S100A11 antibody [20D11] at 1:1000.



ARG57078 anti-S100A11 antibody [20D11] FACS image

Flow Cytometry: HeLa cell line stained with ARG57078 anti-S100A11 antibody [20D11] at 2-5 μg for 1×10^6 cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was Mouse IgG (black line).