

Product Datasheet

CD47 Antibody (CD47/3019) - Azide and BSA Free NBP3-08976

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP3-08976

CD47 Antibody (CD47/3019) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CD47/3019
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	50 kDa

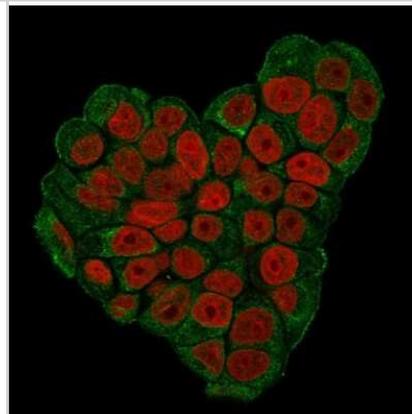
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-08975). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	961
Gene Symbol	CD47
Species	Human
Specificity/Sensitivity	This antibody reacts with Ig domain of CD47 protein. CD47, originally named integrin-associated protein (IAP), is a 50kDa protein containing five membrane-spanning sequences and a short cytoplasmic tail. CD47 plays a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It is important in memory formation and synaptic plasticity in the hippocampus. CD47 may play a role in membrane transport and/or integrin dependent signal transduction.
Immunogen	A recombinant fragment (around aa 18-135) of human CD47 protein (exact sequence is proprietary) (Uniprot: Q08722)

Product Application Details	
Applications	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, ELISA, Immunohistochemistry 1-2 ug/ml, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
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 95 degrees C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

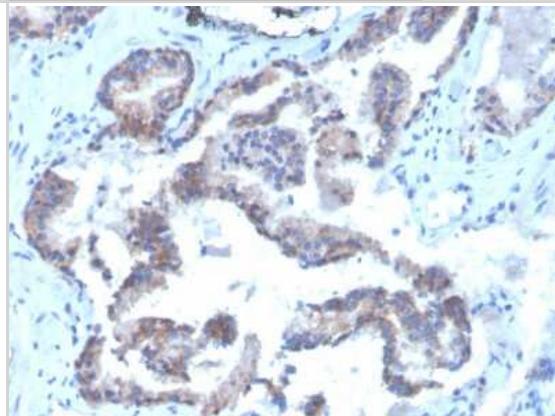


Images

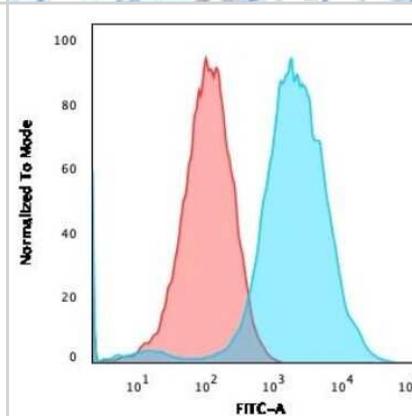
Immunocytochemistry/Immunofluorescence: CD47 Antibody (CD47/3019) - Azide and BSA Free [NBP3-08976] - Immunocytochemistry/Immunofluorescence: CD47 Antibody (CD47/3019) - Immunocytochemistry/Immunofluorescence: CD47 Antibody (CD47/3019) [NBP3-08975] - Immunofluorescence staining of PFA-fixed MCF-7 cells. CD47 Mouse Monoclonal Antibody (CD47/3019) followed by goat anti-mouse IgG-CF488 (green). Nuclei are stained with RedDot.



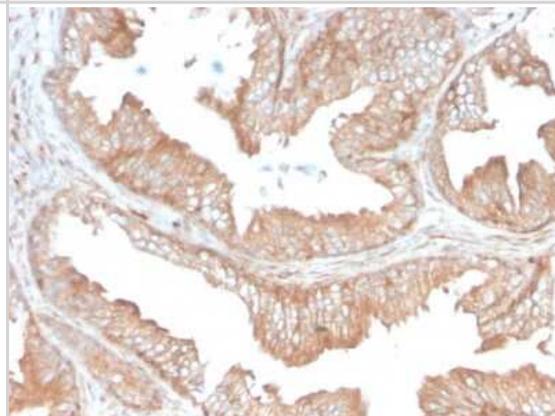
Immunohistochemistry-Paraffin: CD47 Antibody (CD47/3019) - Azide and BSA Free [NBP3-08976] - Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Biotin-conjugated CD47 Mouse Monoclonal Antibody (IAP/3019).



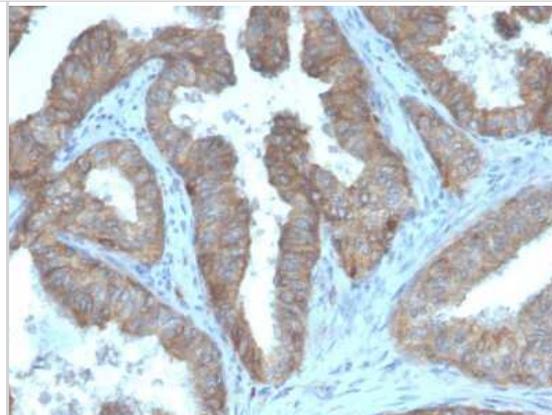
Flow Cytometry: CD47 Antibody (CD47/3019) - Azide and BSA Free [NBP3-08976] - Flow Cytometry: CD47 Antibody (CD47/3019) - Flow Cytometry: CD47 Antibody (CD47/3019) [NBP3-08975] - Flow Cytometric Analysis of PFA-fixed MCF-7 cells using CD47 Mouse Monoclonal Antibody (CD47/3019) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



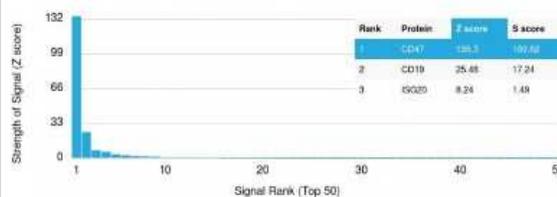
Immunohistochemistry-Paraffin: CD47 Antibody (CD47/3019) - Azide and BSA Free [NBP3-08976] - Immunohistochemistry-Paraffin: CD47 Antibody (CD47/3019) - Immunohistochemistry-Paraffin: CD47 Antibody (CD47/3019) [NBP3-08975] - Formalin-fixed, paraffin-embedded human prostate carcinoma stained with CD47 Mouse Monoclonal Antibody (CD47/3019).



Immunohistochemistry-Paraffin: CD47 Antibody (CD47/3019) - Azide and BSA Free [NBP3-08976] - Immunohistochemistry-Paraffin: CD47 Antibody (CD47/3019) - Immunohistochemistry-Paraffin: CD47 Antibody (CD47/3019) [NBP3-08975] - Formalin-fixed, paraffin-embedded human prostate carcinoma stained with CD47 Mouse Monoclonal Antibody (CD47/3019).



Protein Array: CD47 Antibody (CD47/3019) - Azide and BSA Free [NBP3-08976] - Protein Array: CD47 Antibody (CD47/3019) - Protein Array: CD47 Antibody (CD47/3019) [NBP3-08975] - Analysis of Protein Array containing more than 19,000 full-length human proteins using CD47 Mouse Monoclonal Antibody (CD47/3019).





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Products Related to NBP3-08976

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)
NBP2-52320-0.05mg	Recombinant Human CD47 hIgG-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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