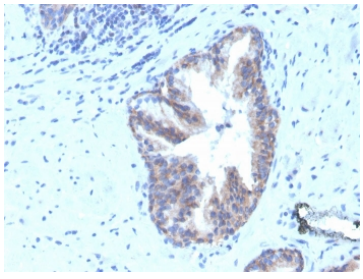
Biotinylated IAP Antibody CD47/3019 / Mouse Monoclonal [clone CD47/3019] (V7535BTN)

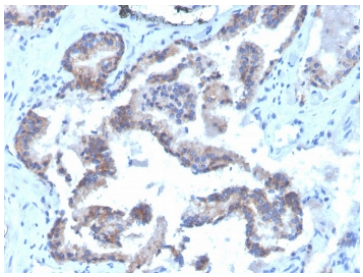
Catalog No.	Formulation	Size
V7535BTN	0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	500 ul

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Biotin Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CD47/3019
Purity	Protein G affinity chromatography
UniProt	Q08722
Localization	Cell surface, cytoplasmic
Applications	Immunofluorescence: 2-4ug/ml Flow cytometry: 5ul per million cells Immunohistochemistry (FFPE): 2-4ug/ml for 30 minutes at RT
Limitations	This Biotinylated IAP Antibody CD47/3019 is available for research use only.



IHC staining of FFPE human prostate carcinoma with biotinylated CD47 antibody (clone CD47/3019). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



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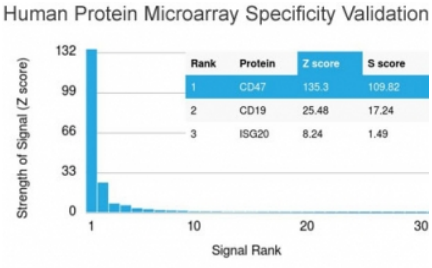
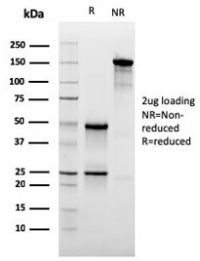


Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CD47 antibody (clone CD47/3019). These results demonstrate the foremost specificity of the CD47/3019 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free CD47 antibody (clone CD47/3019) as confirmation of integrity and purity.

Description

Biotinylated IAP Antibody CD47/3019 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.

For a Protein Microarray Validated antibody targeting the same protein, see our CD47 Antibody CD47/2937 / IAP Monoclonal Antibody.

Application Notes

Optimal dilution of the Biotinylated IAP Antibody CD47/3019 should be determined by the researcher.

Immunogen

A portion of amino acids 18-135 from the human protein was used as the immunogen for the Biotinylated IAP Antibody CD47/3019.

Storage

Store the Biotinylated IAP Antibody CD47/3019 at 2-8oC (up to one month) or aliquot and store at -20oC (longer term).

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