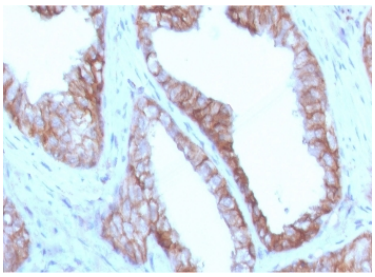
CD47 Antibody CDLA47-1 / Mouse Monoclonal [clone CDLA47-1] (V7184)

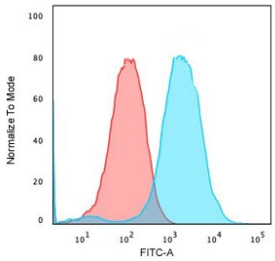
Catalog No.	Formulation	Size
V7184-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7184-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7184SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7184IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

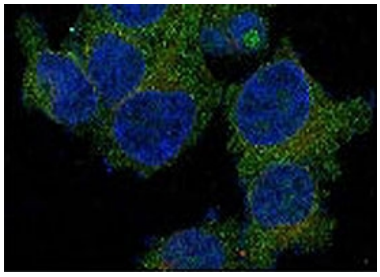
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CDLA47-1
Purity	Protein G affinity chromatography
UniProt	Q08722
Localization	Cell surface, cytoplasmic
Applications	Immunofluorescence/Immunocytochemistry: 1-2ug/ml Flow cytometry: 1-2ug/10^6 cells Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Prediluted IHC only format: incubate for 30 min at RT (1)
Limitations	This CD47 Antibody CDLA47-1 is available for research use only.



CD47 Antibody CDLA47-1 Immunohistochemistry. IHC staining of FFPE human prostate carcinoma with CD47 antibody (clone CDLA47-1). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Flow cytometry testing of human MCF7 cells with CD47 antibody (clone CDLA47-1); Red=isotype control, Blue= CD47 antibody.



Immunofluorescent staining of paraformaldehyde-fixed human MCF7 cells with CD47 antibody (green, clone CDLA47-1) and DAPI nuclear stain (blue).

Description

CD47 Antibody CDLA47-1 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 CD47 Antibody CDLA47-1 should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Amino acids 18-135 from the human protein were used as the immunogen for the CD47 Antibody CDLA47-1.

Storage

Store the CD47 Antibody CDLA47-1 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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