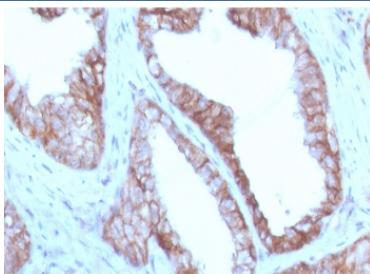


CD47 Antibody / IAP [clone CDLA47-1] (V7184)

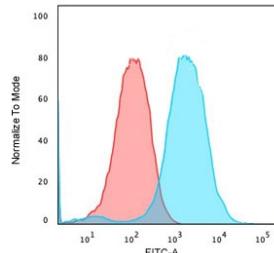
| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V7184-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7184-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V7184SAF-100UG | 1 mg/ml in 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](#)

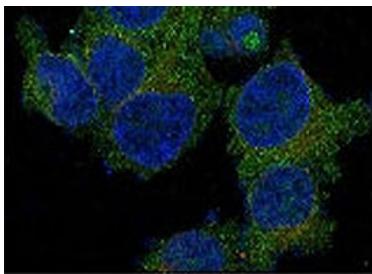
| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1, kappa |
| Clone Name | CDLA47-1 |
| Purity | Protein G affinity chromatography |
| UniProt | 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 is available for research use only. |



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

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.

Application Notes

Optimal dilution of the CD47 antibody 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.

Storage

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

