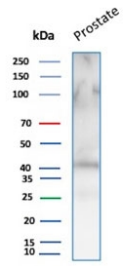
Recombinant CD47 Antibody rCD47/6589 / Recombinant Mouse Monoclonal [clone rCD47/6589] (V9360)

Catalog No.	Formulation	Size
V9360-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9360-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9360SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

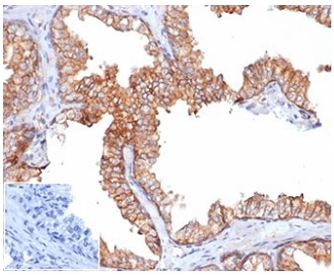
Recombinant | MOUSE MONOCLONAL

Bulk quote request

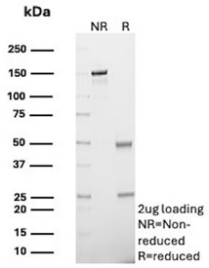
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rCD47/6589
Purity	Protein A/G affinity
UniProt	Q08722
Localization	Cell Surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 2-4ug/ml
Limitations	This Recombinant CD47 Antibody rCD47/6589 is available for research use only.



Recombinant CD47 Antibody rCD47/6589 WB Analysis. Western blot testing of human prostate tissue lysate with recombinant CD47 antibody (clone rCD47/6589). Expected molecular weight: 35~60 kDa depending on glycosylation level.



IHC staining of FFPE human prostate carcinoma tissue with recombinant CD47 antibody (clone rCD47/6589). Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant CD47 antibody (clone rCD47/6589) as confirmation of integrity and purity.

Description

Recombinant CD47 Antibody rCD47/6589 reacts with Ig domain of CD47 protein. It has been shown to inhibit polymorphonuclear neutrophil (PMN) transmigration across cell monolayers and matrix. 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 Recombinant CD47 Antibody rCD47/6589 should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the Recombinant CD47 Antibody rCD47/6589.

Storage

Aliquot the Recombinant CD47 Antibody rCD47/6589 and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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