Recombinant CD47 / IAP (Integrin Associated Protein) Antibody

Mouse Monoclonal Antibody [Clone rCD47/6589]

Catalog No	Format	Size
961-MSM16-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
961-MSM16-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
961-MSM16-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

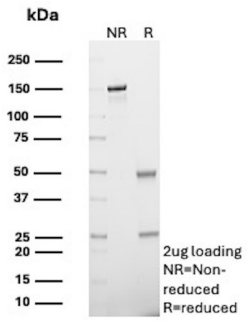
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

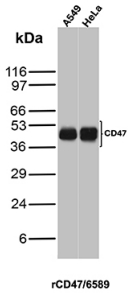
Clone	rCD47/6589
Immunogen	Recombinant fragment (around aa18-135) of the human CD47 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	35.21kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	brain or ovarian tumors (IHC)., HUVEC or OVCA3 cells (IF/FACS). Human placenta, prostate, Jurkat, MCF-7

**Optimal dilution for a specific application should be determined.*

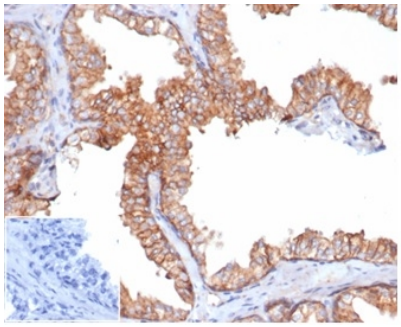
Product Images for Recombinant CD47 / IAP (Integrin Associated Protein) Antibody



SDS-PAGE Analysis of Purified CD44 Recombinant Mouse Monoclonal Antibody (rCD47/6589). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of A549 and HeLa cell lysates using CD47 Recombinant Mouse Monoclonal Antibody (rCD47/6589).



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with CD47 Recombinant Mouse Monoclonal Antibody (rCD47/6589). Inset: PBS instead of primary antibody, secondary control.

Specificity & Comments

This antibody 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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.