



Recombinant CD55 / Decay Accelerating Factor (DAF) Antibody

Rabbit Monoclonal Antibody [Clone CD55/9678R]

Catalog No	Format	Size
1604-RBM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1604-RBM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1604-RBM7-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	CD55/9678R
Immunogen	Recombinant full-length human CD55 (DAF) protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	41.4kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	Expressed on the plasma membranes of all cell types that are in intimate contact with plasma complement proteins

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant CD55 / Decay Accelerating Factor (DAF) Antibody

Specificity & Comments

This protein recognizes C4b and C3b fragments that condense with cell-surface hydroxyl or amino groups when nascent C4b and C3b are locally generated during C4 and c3 activation. Interaction of daf with cell-associated C4b and C3b polypeptides interferes with their ability to catalyze the conversion of C2 and factor B to enzymatically active C2a and Bb and thereby prevents the formation of C4b2a and C3bBb, the amplification convertases of the complement cascade (PubMed:7525274). Inhibits complement activation by destabilizing and preventing the formation of C3 and C5 convertases, which prevents complement damage (PubMed:28657829)., (Microbial infection) Acts as a receptor for Coxsackievirus A21, coxsackieviruses B1, B3 and B5., (Microbial infection) Acts as a receptor for Human enterovirus 70 and D68 (Probable)., (Microbial infection) Acts as a receptor for Human echoviruses 6, 7, 11, 12, 20 and 21.

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.

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.