www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-CD55 (Extracellular region) Antibody

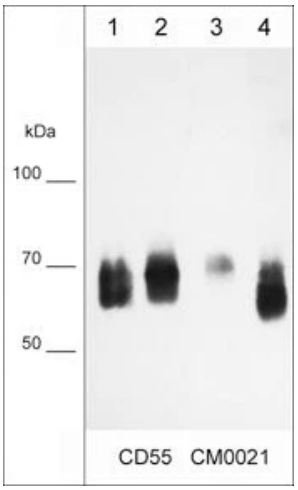
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:CM0021)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	M002
Gene Name	CD55
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:500 ICC: 1:100 IP: 1:50
Species Reactivity	Human
Immunogen	Clone M002 was generated from proprietary antigen related to the extracellular region of human CD55 from the MDA-MB-231 breast cancer cell line.
Specificity	Clone M002 detects 60-80 kDa* bands corresponding to the molecular mass of CD55 on SDS-PAGE immunoblots of "native" A431, A549, and MDA-MB-231 cell lysates. The antibody also detects a "native" recombinant human CD55 extracellular region, but does not detect the denatured form of CD55. The antibody works for native western blot, immunoprecipitation, protein ELISA, and immunocytochemistry.
Molecular Weight	60-80
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P08174 UniProt Summary: 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. Inhibits complement activation by destabilizing and preventing the formation of C3 and C5 convertases, which prevents complement damage.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	1604

Product Images



Immunocytochemical labeling of CD55 in paraformaldehyde fixed human MDA-MB-231 breast cancer cells. The cells were labeled with mouse monoclonal anti-CD55 (CM0021). The antibody was detected using goat anti-mouse DyLight® 594.



Created on 21. November 2026 | All information without guarantee