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PRODUCT DATASHEET

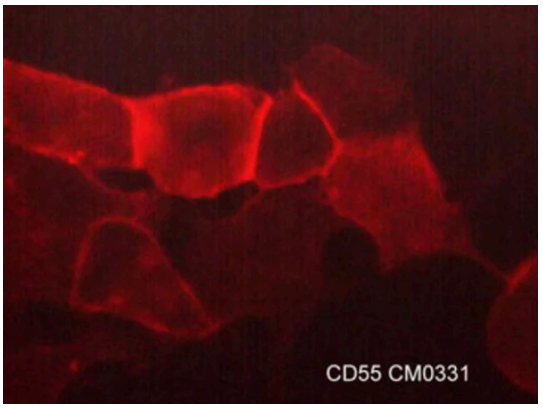
# Anti-CD55 (Extracellular region) Antibody

## Product Details

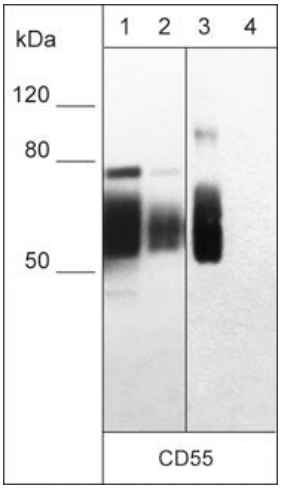
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|---|---|
| **Available Variants** | 100 µL (SKU:CM0331) |
| **Conjugate** | Unconjugated |
| **Isotype** | IgG1 |
| **Clone** | M033 |
| **Gene Name** | CD55 |
| **Host Species** | Mouse |
| **Format** | Protein G Purified |
| **Physical State** | Liquid |
| **Buffer** | PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol |
| **Applications** | ELISA, ICC, IP, WB |
| **Dilution Ranges** | WB: 1:1000<br>ICC: 1:100<br>IP: 1:50 |
| **Species Reactivity** | Human |
| **Immunogen** | Clone M033 was generated from a proprietary antigen related to the extracellular region of human CD55 from the MDA-MB-231 breast cancer cell line. |
| **Specificity** | Clone M033 was purified using Protein G chromatography. The antibody. The antibody also detects a "native" human recombinant CD55 protein that includes the extracellular region. The antibody can be used for native western blot, immunoprecipitation, protein ELISA, and immunocytochemistry, as well for detecting CD55 in live, unfixed cells. |
| **Molecular Weight** | 80 |
| **Quality Control** | Western blots performed on each lot. |

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|---|---|
| **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<br>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 |

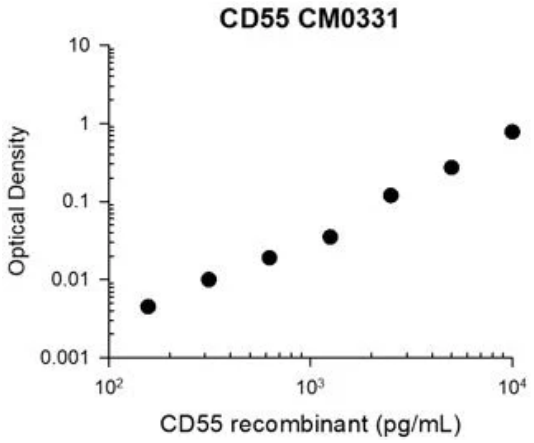
## Product Images




Immunocytochemical labeling of CD55 in paraformaldehyde fixed human MDA-MB-231 breast cancer cells. The cells were labeled with mouse monoclonal anti-CD55 (CM0331). The antibody was detected using goat anti-mouse DyLight® 594.




Native western blot analysis of human MDA-MB-231 breast cancer cell lysate (lanes 1 & 2),human recombinant CD55 extracellular region protein (lane 3), and CD44 extracellular region protein (lane 4). The blots were probed with mouse monoclonal anti-CD55 (CM0331) at 1:1000 (lane 1) and 1:4000 (lanes 2, 3, and 4).




Representative Standard Curve using mouse monoclonal anti-CD55 (CM0331) for ELISA capture of human recombinant CD55 extracellular region with His-tag. Capture was detected by using an anti-His-tag antibody followed by appropriate secondary antibody conjugated to HRP.



Created on 21. November 2026 | All information without guarantee