

**CD55 Antibody (clone MEM-118)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS11972****Specification**

---

**CD55 Antibody (clone MEM-118) - Product Information**

Application	IHC
Primary Accession	<a href="#">P08174</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	41kDa KDa

**CD55 Antibody (clone MEM-118) - Additional Information****Gene ID** 1604**Other Names**

Complement decay-accelerating factor, CD55, CD55, CR, DAF

**Target/Specificity**

HPB-ALL human T cell line

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

CD55 Antibody (clone MEM-118) is for research use only and not for use in diagnostic or therapeutic procedures.

**CD55 Antibody (clone MEM-118) - Protein Information****Name** CD55**Synonyms** CR, DAF**Function**

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:<a href="http://www.uniprot.org/citations/7525274" target="\_blank">7525274</a>). Inhibits complement activation by destabilizing and preventing the formation of C3 and C5 convertases, which prevents complement damage (PubMed:<a href="http://www.uniprot.org/citations/28657829" target="\_blank">28657829</a>).

**Cellular Location**

[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Secreted [Isoform 5]: Secreted [Isoform 7]: Cell membrane; Lipid-anchor, GPI-anchor

#### **Tissue Location**

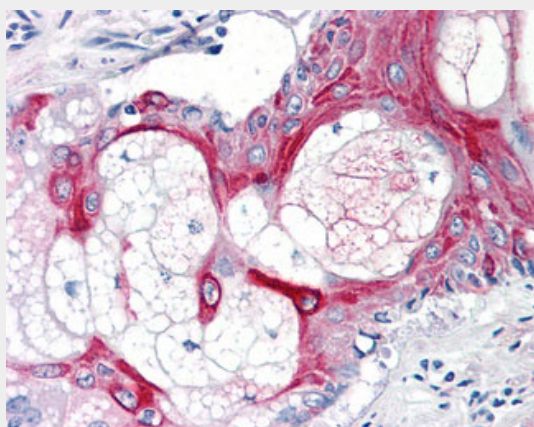
Expressed on the plasma membranes of all cell types that are in intimate contact with plasma complement proteins. It is also found on the surfaces of epithelial cells lining extracellular compartments, and variants of the molecule are present in body fluids and in extracellular matrix

#### **CD55 Antibody (clone MEM-118) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **CD55 Antibody (clone MEM-118) - Images**



Anti-CD55 antibody IHC of human skin, pilosebaceous unit.

#### **CD55 Antibody (clone MEM-118) - Background**

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.

#### **CD55 Antibody (clone MEM-118) - References**

Caras I.W., et al. Nature 325:545-549(1987).  
Osuka F., et al. Genomics 88:316-322(2006).  
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Gregory S.G., et al. Nature 441:315-321(2006).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.