

## Anti-CD55 (Extracellular region) Antibody

Catalog # AN1696

# **Specification**

# Anti-CD55 (Extracellular region) Antibody - Product Information

Application WB, IHC
Primary Accession P08174
Host Mouse

Clonality Mouse Monoclonal

Isotype IgG2a Calculated MW 41400

# Anti-CD55 (Extracellular region) Antibody - Additional Information

Gene ID **1604** 

**Other Names** 

Complement decay-accelerating factor, DAF, CD\_antigen, CD55, CR

### **Target/Specificity**

CD55, also known as Decay-accelerating factor (DAF) is an inhibitor of the complement system, and is broadly expressed in malignant tumours. In cancer, CD55 has been implicated in tumorigenesis, neoangiogenesis, and metastasis. CD55 may decrease complement mediated tumor cell lysis, inhibit tumor apoptosis, and promote invasive cancer cell motility. These roles in cancer may involve binding to the seven-span transmembrane receptor CD97. In neuroblastoma cells, CD55 contributes to growth of colonies and to invasion of cells, but not to stemness. In neuroblastoma cells, CD55 is upregulated in a small population of cells that are HIF-2 $\alpha$  positive. This CD55 positive subpopulation is highly invasive and has low adhesion to fibronectin and collagen. In addition, CD55 expression correlates with poor prognosis in neuroblastoma patients.

### **Dilution**

WB~~1:1000 IHC~~1:100~500

### **Format**

Protein G Purified

### **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

Anti-CD55 (Extracellular region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **Shipping**

Blue Ice

## **Anti-CD55 (Extracellular region) Antibody - Protocols**

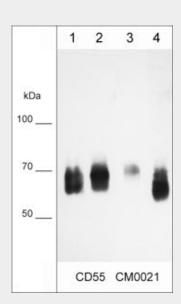




Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# Anti-CD55 (Extracellular region) Antibody - 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.

## Anti-CD55 (Extracellular region) Antibody - Background

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