

## CD55 Rabbit mAb

Catalog No: #52207

Package Size: #52207-1 50ul #52207-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

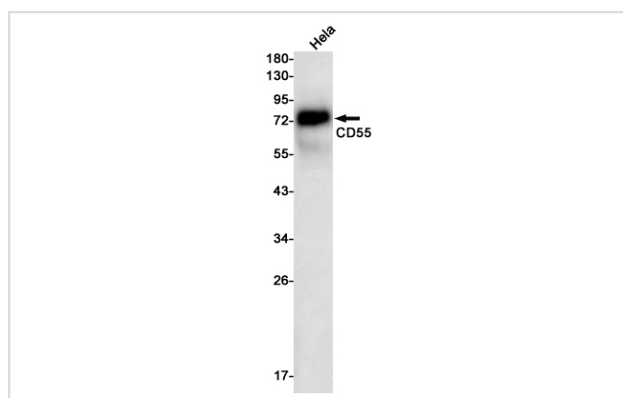
## Description

Product Name	CD55 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S01-7H4
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human CD55
Conjugates	Unconjugated
Modification	Unmodification
Other Names	CR; TC; DAF; CROM; CHAPLE
Accession No.	Swiss-Prot:P08174GeneID:1604
Uniprot	P08174
GeneID	1604
Calculated MW	Calculated MW: 41 kDa; Observed MW: 78 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Application Details

WB: 1/2000-1/10000

## Images



Western blot detection of CD55 in HeLa cell lysates using CD55 Rabbit mAb(1:1000 diluted). Predicted band size: 41kDa. Observed band size: 78kDa.

## Background

Swiss-Prot Acc.P08174. 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).

Note: This product is for in vitro research use only