

Datasheet for ABIN1539953  
**anti-CD55 antibody (AA 51-79)**



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2 Images

## Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 400 µL                              |
| Target:              | CD55                                |
| Binding Specificity: | AA 51-79                            |
| Reactivity:          | Human                               |
| Host:                | Mouse                               |
| Clonality:           | Monoclonal                          |
| Conjugate:           | This CD55 antibody is un-conjugated |
| Application:         | Western Blotting (WB)               |

## Product Details

|               |                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | This CD55 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 51-79 amino acids from human CD55. |
| Clone:        | 561CT4-2-3                                                                                                                             |
| Isotype:      | IgG1                                                                                                                                   |
| Purification: | This antibody is purified through a protein G column, followed by dialysis against PBS.                                                |

## Target Details

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Target:           | CD55                                                                                  |
| Alternative Name: | CD55 ( <a href="#">CD55 Products</a> )                                                |
| Background:       | This gene encodes a protein involved in the regulation of the complement cascade. The |

## Target Details

encoded glycoprotein is also known as the decay-accelerating factor (DAF), binding of DAF to complement proteins accelerates their decay, disrupting the cascade and preventing damage to host cells. Antigens present on the DAF glycoprotein constitute the Cromer blood group system (CROM). Two alternatively spliced transcripts encoding different proteins have been identified. The predominant transcript encodes a membrane-bound protein expressed on cells exposed to plasma component proteins but an alternatively spliced transcript produces a soluble protein present at much lower levels. Additional, alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq].

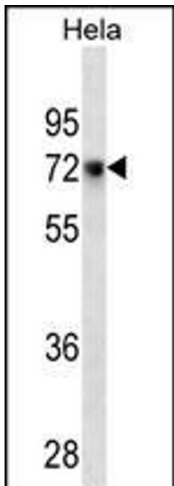
|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| Molecular Weight: | 41400                                                                                         |
| Gene ID:          | 1604                                                                                          |
| NCBI Accession:   | <a href="#">NP_000565</a> , <a href="#">NP_001108224</a>                                      |
| UniProt:          | <a href="#">P08174</a>                                                                        |
| Pathways:         | <a href="#">Complement System</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | WB: 1:2000. WB: 1:100 |
| Restrictions:      | For Research Use only |

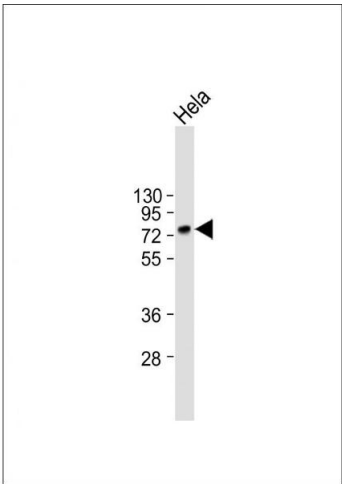
## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.                                           |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C, -20 °C                                                                                                           |
| Storage Comment:   | CD55 Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.                 |
| Expiry Date:       | 6 months                                                                                                               |



#### Western Blotting

**Image 1.** CD55 Antibody (ABIN1539953 and ABIN2843875) western blot analysis in HeLa cell line lysates (35  $\mu$ g/lane). This demonstrates the CD55 antibody detected the CD55 protein (arrow).



#### Western Blotting

**Image 2.** Anti-CD55 Antibody (N-term) at 1:2000 dilution + HeLa whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 41 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.