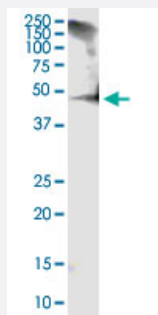


# RCN1 monoclonal antibody (M01), clone 1F8-E4

Catalog # H00005954-M01

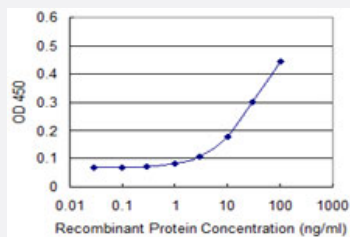
Size 100 ug

## Applications



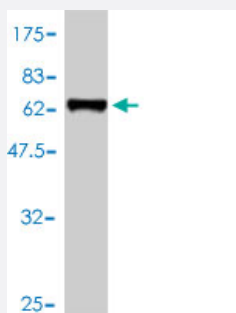
### Western Blot (Cell lysate)

RCN1 monoclonal antibody (M01), clone 1F8-E4. Western Blot analysis of RCN1 expression in HL-60.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RCN1 is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (58.63 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a full length recombinant RCN1.

|                               |                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                     | RCN1 (AAH10120, 31 a.a. ~ 331 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                         |
| Sequence                      | PTVRKERVVRPDSELGERPPEDNQSFQYDHEAFLGKEDSKTFDQLTPDESKERLGKIVDRIDND<br>GDGFVTTEELKTWIKRVQKRYIFDNVAKVWKDYDRDKDDKISWEEYKQATYGYYLGNPAEFHDSS<br>DHHTFKKMLPRDERRFKAADLNGDLTATREEFTAFLHPEEFEHMKEIVLETLEDIDKNGDGFVD<br>QDEYADMFSSHEENGPEPDWVLSEREQFNEFRDLNKGKLDKDEIRHWILPQDYDHAQAEARHL<br>VYESDKNKDEKLTKEEILENWNMFVGSQATNYGEDLTKNHDEL |
| Host                          | Mouse                                                                                                                                                                                                                                                                                                                       |
| Reactivity                    | Human                                                                                                                                                                                                                                                                                                                       |
| Interspecies Antigen Sequence | Mouse (96); Rat (96)                                                                                                                                                                                                                                                                                                        |
| Isotype                       | IgG1 kappa                                                                                                                                                                                                                                                                                                                  |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (58.63 KDa) .                                                                                                                                                                                                                    |
| Storage Buffer                | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                           |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                    |

## Applications

- Western Blot (Cell lysate)

RCN1 monoclonal antibody (M01), clone 1F8-E4. Western Blot analysis of RCN1 expression in HL-60.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RCN1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — RCN1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">5954</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| GeneBank Accession# | <a href="#">BC010120</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protein Accession#  | <a href="#">AAH10120</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name           | RCN1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Alias          | FLJ37041, PIG20, RCAL, RCN                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Description    | reticulocalbin 1, EF-hand calcium binding domain                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Omim ID             | <a href="#">602735</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Summary        | <p>Reticulocalbin 1 is a calcium-binding protein located in the lumen of the ER. The protein contains six conserved regions with similarity to a high affinity Ca(+2)-binding motif, the EF-hand. High conservation of amino acid residues outside of these motifs, in comparison to mouse reticulocalbin, is consistent with a possible biochemical function besides that of calcium binding. In human endothelial and prostate cancer cell lines this protein localizes to the plasma membrane</p> |
| Other Designations  | proliferation-inducing gene 20 reticulocalbin 1                                                                                                                                                                                                                                                                                                                                                                                                                                                      |