

## Rat CD63 molecule ELISA Kit | CD63 elisa kit

Rat Cluster of Differentiation 63, CD63 ELISA Kit

CATALOG #  
**AAA80269**

REACTIVITY  
**Rat**

### PRODUCT SYNONYMS

CD63 molecule; Rat Cluster of Differentiation 63; CD63 ELISA Kit; Rat Cluster of Differentiation 63 (CD63) ELISA Kit; LAMP-3; ME491; MLA1; OMA81H; TSPAN30; CD63 antigen; CD63 antigen (melanoma 1 antigen) ; granulophysin; lysosome-associated membrane glycoprotein 3; melanoma 1 antigen; melanoma-associated antigen ME491; me; CD63 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                               |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of rat CD63. No significant cross-reactivity or interference between rat CD63 and analogues was observed. |
| Sequence Length         | 238                                                                                                                                                                               |
| Assay Type              | Quantitative Sandwich                                                                                                                                                             |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                 |
| Detection Range         | 62.5 pg/ml-4000 pg/ml                                                                                                                                                             |
| Sensitivity             | < 15.6 pg/ml                                                                                                                                                                      |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                  |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                           |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                 |

### ADDITIONAL INFORMATION

#### Related Product Information for CD63 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CD63 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CD63 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CD63 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CD63 bound in the initial step. The color development is stopped and the intensity of the color is measured.

### NCBI AND UNIPROT INFORMATION

|                           |                |
|---------------------------|----------------|
| NCBI GI #                 | 126723685      |
| NCBI GeneID               | 100008988      |
| NCBI Accession #          | NP_001075668.1 |
| NCBI GenBank Nucleotide # | NM_001082199.1 |
| UniProt Accession #       | Q28709         |

|                                      |                                  |
|--------------------------------------|----------------------------------|
| <b>Molecular Weight</b>              | 25,630 Da                        |
| <b>NCBI Official Full Name</b>       | CD63 antigen                     |
| <b>NCBI Official Symbol</b>          | CD63                             |
| <b>NCBI Official Synonym Symbols</b> | TSP29FA                          |
| <b>NCBI Protein Information</b>      | CD63 antigen; ME491/CD63 antigen |
| <b>UniProt Protein Name</b>          | CD63 antigen                     |
| <b>UniProt Gene Name</b>             | <b>CD63</b>                      |
| <b>UniProt Entry Name</b>            | CD63_RABIT                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/cd63-molecule/80269>