

## Mouse MRP14 ELISA Kit | S100A9 elisa kit

Mouse MRP14 ELISA Kit

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| CATALOG #<br><b>AAA261722</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

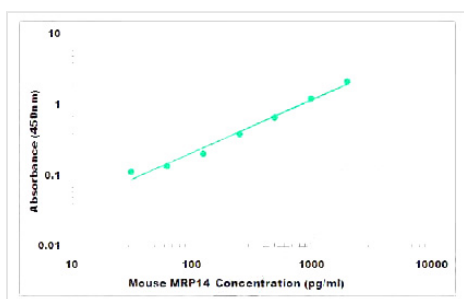
### PRODUCT SYNONYMS

MRP14; Mouse MRP14 ELISA Kit; CAGB; CFAG; Protein S100-A9; Calgranulin-B; Calprotectin L1H subunit; Leukocyte L1 complex heavy chain; Migration inhibitory factor-related protein 14; MRP-14; p14; S100 calcium-binding protein A9; S100A9 elisa kit

### PRODUCT SPECIFICATIONS

|                                              |                                                                                                                                                                                            |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                   | Mouse                                                                                                                                                                                      |
| Specificity                                  | The Mouse MRP14 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse MRP14 proteins within the range of 31.2 pg/ml - 2000 pg/ml. |
| Sequence Length                              | 113                                                                                                                                                                                        |
| Samples                                      | Cell Culture Supernatants, Serum, Plasma                                                                                                                                                   |
| Assay Type                                   | Quantitative Sandwich                                                                                                                                                                      |
| Sensitivity                                  | <10 pg/ml                                                                                                                                                                                  |
| Applicable Applications for S100A9 elisa kit | ELISA (Sandwich ELISA)                                                                                                                                                                     |
| Preparation and Storage                      | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Related Product Information for S100A9 elisa kit | Principle of the Assay: The AAA Biotech' Mouse MRP14 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse MRP14 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse MRP14 coated on a 96-well plate. Standards and samples are pipetted into the wells and MRP14 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse MRP14 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of MRP14 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.!!Background/Introduction: Protein S100A9 also known as migration inhibitory factor-related protein 14 (MRP-14) or calgranulin-B is a protein that is encoded by the S100A9 gene. S100A9 is a member of the S100 family of proteins containing 2 EF hand calcium-binding motifs. It is mapped to Chromosome 3 in mouse. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. This protein may function in the inhibition of casein kinase. S100A9 complexes with S100A8, another member of the S100 family of calcium-modulated proteins regulates myeloid cell function by binding to Toll-like receptor-4 (TLR-4) and the receptor for advanced glycation end products. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| NCBI GI #                        | 399173                                                |
| NCBI GeneID                      | 20202                                                 |
| UniProt Accession #              | P31725                                                |
| Molecular Weight                 | 13,049 Da                                             |
| NCBI Official Full Name          | Protein S100-A9                                       |
| NCBI Official Synonym Full Names | S100 calcium binding protein A9 (calgranulin B)       |
| NCBI Official Symbol             | S100a9                                                |
| NCBI Official Synonym Symbols    | p14; Cagb; GAGB; L1Ag; BEE22; MRP14; 60B8Ag; AW546964 |
| NCBI Protein Information         | protein S100-A9                                       |
| UniProt Protein Name             | Protein S100-A9                                       |
| UniProt Gene Name                | S100a9                                                |
| UniProt Synonym Gene Names       | Cagb; Mrp14; MRP-14; p14                              |
| UniProt Entry Name               | S10A9_MOUSE                                           |

**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://stage.aaabiotech.com/s100a9-mouse-elisa-kits/mrp14/261722>