

## Mouse lipocalin 2 ELISA Kit | LCN2 elisa kit

Mouse neutrophil gelatinase-associated lipocalin, NGAL ELISA Kit

CATALOG #  
**AAA80170**

REACTIVITY  
**Mouse**

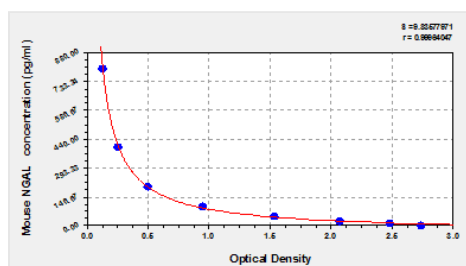
### PRODUCT SYNONYMS

lipocalin 2; Mouse neutrophil gelatinase-associated lipocalin; NGAL ELISA Kit; 24p3; MSFI; NGAL; OTTHUMP00000022240; migration-stimulating factor inhibitor; neutrophil gelatinase-associated lipocalin; oncogene 24p3; siderocalin; LCN2 elisa kit

### PRODUCT SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                           |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                   | Mouse                                                                                                                                                                                                                                                                                                                     |
| Specificity                  | This assay has high sensitivity and excellent specificity for detection of Mouse LCN2. No significant cross-reactivity or interference between Mouse LCN2 and analogues was observed.                                                                                                                                     |
| Sequence Length              | 200                                                                                                                                                                                                                                                                                                                       |
| Samples                      | Serum, plasma, tissue homogenates, urine                                                                                                                                                                                                                                                                                  |
| Assay Type                   | Competitive                                                                                                                                                                                                                                                                                                               |
| Detection Range              | 12.5 pg/ml-800 pg/ml                                                                                                                                                                                                                                                                                                      |
| Sensitivity                  | 3.12 pg/ml                                                                                                                                                                                                                                                                                                                |
| Intra-assay Precision        | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength         | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume                | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 1 | Apoptosis/Autophagy                                                                                                                                                                                                                                                                                                       |
| Protein Biological Process 3 | Apoptosis                                                                                                                                                                                                                                                                                                                 |
| 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.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| Related Product Information for LCN2 elisa kit | <b>Principle of the Assay:</b> This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with NGAL. Standards or samples are added to the appropriate microtiter plate wells with Horseradish Peroxidase (HRP) conjugated antibody preparation specific for NGAL. The competitive inhibition reaction is launched between with pre-coated NGAL and NGAL in samples. A substrate solution is added to the wells and the color develops in opposite to the amount of NGAL in the samples. The color development is stopped and the intensity of the color is measured. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 34328049                                                                                                                                  |
| NCBI GeneID                      | 16819                                                                                                                                     |
| NCBI Accession #                 | NP_032517.1                                                                                                                               |
| NCBI GenBank Nucleotide #        | NM_008491.1                                                                                                                               |
| UniProt Accession #              | P11672; Q3UE34                                                                                                                            |
| Molecular Weight                 | 22,875 Da                                                                                                                                 |
| NCBI Official Full Name          | neutrophil gelatinase-associated lipocalin                                                                                                |
| NCBI Official Synonym Full Names | lipocalin 2                                                                                                                               |
| NCBI Official Symbol             | Lcn2                                                                                                                                      |
| NCBI Official Synonym Symbols    | 24p3; Sip24; AW212229                                                                                                                     |
| NCBI Protein Information         | neutrophil gelatinase-associated lipocalin; p25; lipocalin-2; siderocalin LCN2; SV-40-induced 24P3 protein; secreted inducible protein 24 |
| UniProt Protein Name             | Neutrophil gelatinase-associated lipocalin                                                                                                |
| UniProt Gene Name                | Lcn2                                                                                                                                      |
| UniProt Synonym Gene Names       | NGAL                                                                                                                                      |
| UniProt Entry Name               | NGAL_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/lcn2-mouse-elisa-kits/lipocalin-2/80170>