

## Sheep Ferroportin ELISA Kit | FPN elisa kit

Sheep Ferroportin ELISA Kit

CATALOG #  
**AAA95709**

REACTIVITY  
**Sheep**

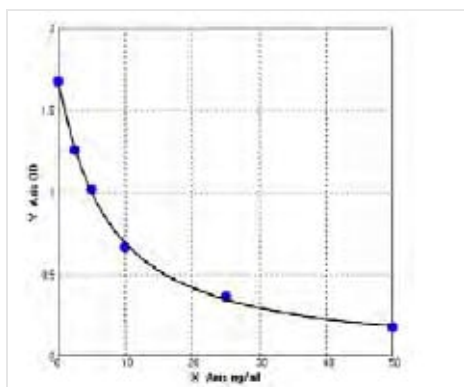
### PRODUCT SYNONYMS

Ferroportin; Sheep Ferroportin ELISA Kit; FPN elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of FPN. No significant cross-reactivity or interference between FPN and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FPN and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for FPN elisa kit | <p>Intended Uses: This FPN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep FPN. This ELISA kit for research use only!</p> <p>Principle of the Assay: FPN ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-FPN antibody and an FPN-HRP conjugate. The assay sample and buffer are incubated together with FPN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FPN concentration since FPN from samples and FPN-HRP conjugate compete for the anti-FPN antibody binding site. Since the number of sites is limited, as more sites are occupied by FPN from the sample, fewer sites are left to bind FPN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FPN concentration in each sample is interpolated from this standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 67633296                                                                                                                                                                                                                |
| NCBI GeneID                      | 30061                                                                                                                                                                                                                   |
| Molecular Weight                 | 62,542 Da                                                                                                                                                                                                               |
| NCBI Official Full Name          | ferroportin 1 variant I, partial                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | solute carrier family 40 (iron-regulated transporter), member 1                                                                                                                                                         |
| NCBI Official Symbol             | SLC40A1                                                                                                                                                                                                                 |
| NCBI Official Synonym Symbols    | FPN1; HFE4; MTP1; IREG1; MST079; MSTP079; SLC11A3                                                                                                                                                                       |
| NCBI Protein Information         | solute carrier family 40 member 1; iron regulated gene 1; putative ferroportin 1 variant IIIA; putative ferroportin 1 variant IIIB; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 3 |
| UniProt Protein Name             | Solute carrier family 40 member 1                                                                                                                                                                                       |
| UniProt Gene Name                | SLC40A1                                                                                                                                                                                                                 |
| UniProt Synonym Gene Names       | FPN1; IREG1; SLC11A3; MSTP079                                                                                                                                                                                           |
| UniProt Entry Name               | S40A1_HUMAN                                                                                                                                                                                                             |

**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/fpn-sheep-elisa-kits/ferroportin/95709>