

## Sheep Prokineticin 2 ELISA Kit | PK2 elisa kit

Sheep Prokineticin 2 ELISA Kit

CATALOG #  
**AAA90163**

REACTIVITY  
**Sheep**

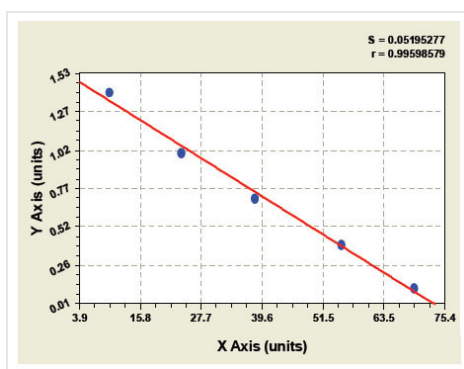
### PRODUCT SYNONYMS

Prokineticin 2; Sheep Prokineticin 2 ELISA Kit; PK2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                      |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | 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 PK2 elisa kit

**For samples:** Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

**INTENDED USE** This PK2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep PK2. This ELISA kit for research use only!

**PRINCIPLE OF THE ASSAY** PK2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PK2 antibody and an PK2-HRP conjugate. The assay sample and buffer are incubated together with PK2-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 PK2 concentration since PK2 from samples and PK2-HRP conjugate compete for the anti-PK2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PK2 from the sample, fewer sites are left to bind PK2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PK2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 187167261                           |
| NCBI GeneID                      | 60675                               |
| NCBI Accession #                 | NP_001119600.1                      |
| NCBI GenBank Nucleotide #        | NM_001126128.1                      |
| Molecular Weight                 | 11,659 Da                           |
| NCBI Official Full Name          | prokineticin-2 isoform a            |
| NCBI Official Synonym Full Names | prokineticin 2                      |
| NCBI Official Symbol             | PROK2                               |
| NCBI Official Synonym Symbols    | BV8; HH4; PK2; KAL4; MIT1           |
| NCBI Protein Information         | prokineticin-2; protein Bv8 homolog |
| UniProt Protein Name             | Prokineticin-2                      |
| UniProt Gene Name                | <b>PROK2</b>                        |
| UniProt Synonym Gene Names       | BV8; PK2                            |
| UniProt Entry Name               | PROK2_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.