# Pig prepronociceptin (PNOC) ELISA Kit

Catalog No: #EK8401

Package Size: #EK8401-1 48T #EK8401-2 96T

Orders: order@signalwayantibody.com
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## Description

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| Product Name | Pig prepronociceptin (PNOC) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Pig (Sus scrofa; Porcine) |
| Other Names | PPNOC; nocistatin\|propronociceptin |
| Accession No. | P55791 |
| Uniprot | P55791 |
| Storage | The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C). |

## Application Details

Detect Range:4.69-300 pg/mL

Sensitivity:1.17 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PNOC in samples. An antibody specific for PNOC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPNOC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PNOC is added to the wells. After washing, Streptavidin 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 PNOC bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Nociceptin (orphanin FQ), a neuropeptide of 17 amino acids, is the natural agonist of opioid receptor-like-1 (OPRL1), a G protein-coupled receptor whose human and murine cDNAs had previously been identified. This neuropeptide is endowed with pronociceptive activity in vivo. Nociceptin is derived from a larger precursor, prepronociceptin (PNOC) is highly conserved in the 3 species and displays organizational features that are strikingly similar to those for the genes for preproenkephalin, preprodynorphin, and preproopiomelanocortin. Mollereau et al. showed that the PNOC gene encodes a single copy of nociceptin as well as another peptide whose sequence is strictly conserved across murine and human species; hence, it is likely to be neurophysiologically significant.

Note: This product is for in vitro research use only