

## Rat WIF1 ELISA Kit | WIF1 elisa kit

Rat WIF1 PicoKine ELISA Kit

CATALOG #  
**AAA46788**

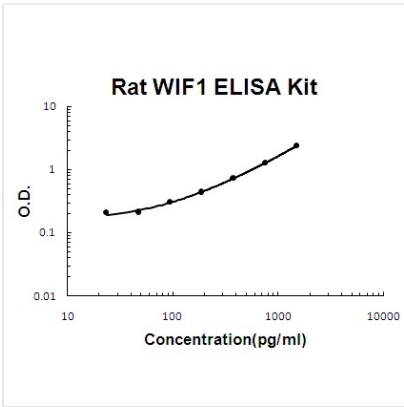
REACTIVITY  
**Rat**

### PRODUCT SYNONYMS

WIF1; Rat WIF1 PicoKine ELISA Kit; WIF-1; Wnt inhibitory factor 1; Q9Y5W5; WIF1 elisa kit

### PRODUCT SPECIFICATIONS

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Reactivity                  | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Specificity                 | Natural and recombinant rat WIF1                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length             | 365                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Assay Range                 | 23.4pg/ml-1500pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sensitivity                 | <10pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Anticoagulant               | heparin or EDTA                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| TMB incubation time         | 25-30                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen                   | NSO, G29-W379                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sample Data                 | Concentration(pg/ml):  0 23.4 46.9 93.8 187.5 375 750 1500<br>O.D.:  0.161 0.207 0.211 0.303 0.440 0.729 1.266 2.369                                                                                                                                                                                                                                                                                                                                                         |
| Intra/Inter Assay Precision | Sample:  1 2 3 1 2 3<br>n:  16 16 16 24 24 24<br>Mean(pg/ml):  50.3 212 894 62.1 258 903<br>Standard Deviation:  2.11 10.60 51.85 3.42 16.51 70.43<br>CV(%):  4.2 5.0 5.8 5.5 6.4 7.8                                                                                                                                                                                                                                                                                        |
| Assay Procedure Step 1      | Aliquot 0.1ml per well of the 1500pg/ml, 750pg/ml, 375pg/ml, 187.5pg/ml, 93.8pg/ml, 46.9pg/ml, 23.4pg/ml rat WIF1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of rat cell culture supernatants, serum or plasma (heparin, EDTA) to each empty well. We recommend that each rat WIF1 standard solution and each sample is measured in duplicate. |
| Preparation and Storage     | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                          |



Standard Curve (Sample)  
Rat WIF1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Related Product Information for WIF1 elisa kit | <p>For quantitative detection of rat WIF1 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA).</p> <p>Background: Wnt inhibitory factor 1 is a protein that in humans is encoded by the WIF1 gene. The protein encoded by this gene functions to inhibit WNT proteins, which are extracellular signaling molecules that play a role in embryonic development. Additionally, this protein contains a WNT inhibitory factor (WIF) domain and five epidermal growth factor (EGF)-like domains, and is thought to be involved in mesoderm segmentation. This gene functions as a tumor suppressor gene, and has been found to be epigenetically silenced in various cancers.</p> <p>Principle: Rat WIF1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Mouse specific for WIF1 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: G29-W379) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for WIF1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substRate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat WIF1 amount of sample captured in plate.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|-------------------------|
| NCBI GI #                        | 16758560                |
| NCBI GeneID                      | 114557                  |
| NCBI Accession #                 | NP_446190.1             |
| NCBI GenBank Nucleotide #        | NM_053738.1             |
| UniProt Accession #              | Q6IN38; Q924Y6          |
| Molecular Weight                 | 40,063 Da               |
| NCBI Official Full Name          | wnt inhibitory factor 1 |
| NCBI Official Synonym Full Names | Wnt inhibitory factor 1 |
| NCBI Official Symbol             | Wif1                    |
| NCBI Protein Information         | wnt inhibitory factor 1 |
| UniProt Protein Name             | Wnt inhibitory factor 1 |
| UniProt Gene Name                | Wif1                    |
| UniProt Synonym Gene Names       | WIF-1                   |

**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/rat-elisa-kits/wif1/46788>