

## Rat Tyrosine-protein kinase Fyn (FYN) ELISA Kit | FYN elisa kit

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CATALOG #  
**AAA246158**

REACTIVITY  
**Rat**

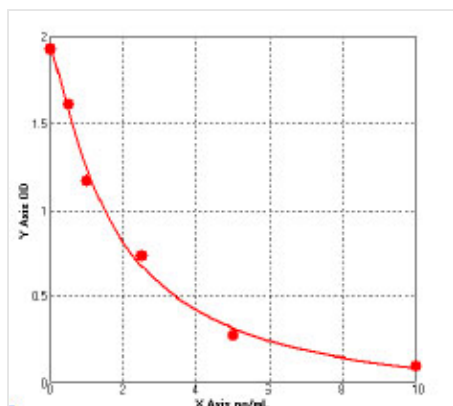
### PRODUCT SYNONYMS

Tyrosine-protein kinase Fyn (FYN); Rat Tyrosine-protein kinase Fyn (FYN) ELISA Kit; FYN elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of FYN. No significant cross-reactivity or interference between FYN and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FYN 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 FYN elisa kit | <p>Intended Uses: This FYN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FYN. This ELISA kit for research use only!</p> <p>Principle of the Assay: FYN ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-FYN antibody and an FYN-HRP conjugate. The assay sample and buffer are incubated together with FYN-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 FYN concentration since FYN from samples and FYN-HRP conjugate compete for the anti-FYN antibody binding site. Since the number of sites is limited, as more sites are occupied by FYN from the sample, fewer sites are left to bind FYN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FYN concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for FYN elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4503823                                                                                                                                                                                                                                     |
| NCBI GeneID                      | 2534                                                                                                                                                                                                                                        |
| NCBI Accession #                 | NP_002028.1                                                                                                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_002037.5                                                                                                                                                                                                                                 |
| Molecular Weight                 | 54,513 Da                                                                                                                                                                                                                                   |
| NCBI Official Full Name          | tyrosine-protein kinase Fyn isoform a                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | FYN proto-oncogene, Src family tyrosine kinase                                                                                                                                                                                              |
| NCBI Official Symbol             | FYN                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | SLK; SYN; p59-FYN                                                                                                                                                                                                                           |
| NCBI Protein Information         | tyrosine-protein kinase Fyn; src-like kinase; proto-oncogene Syn; c-syn protooncogene; proto-oncogene c-Fyn; src/yes-related novel; tyrosine kinase p59fyn(T); FYN oncogene related to SRC, FGR, YES; OKT3-induced calcium influx regulator |
| UniProt Protein Name             | Tyrosine-protein kinase Fyn                                                                                                                                                                                                                 |
| UniProt Gene Name                | FYN                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | SLK                                                                                                                                                                                                                                         |
| UniProt Entry Name               | FYN_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.