

## Canine Anaplastic lymphoma kinase ELISA Kit | ALK elisa kit

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CATALOG #  
**AAA95248**

REACTIVITY  
**Canine**

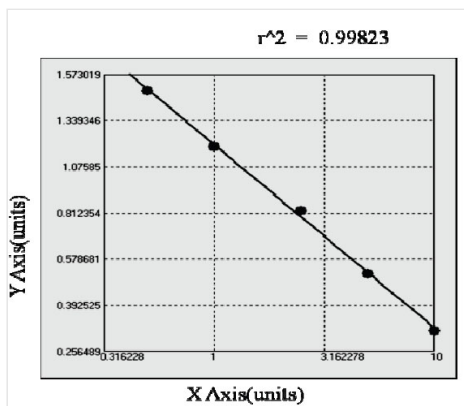
### PRODUCT SYNONYMS

Anaplastic lymphoma kinase; Canine Anaplastic lymphoma kinase ELISA Kit; ALK elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                            |
| Assay Type              | Competitive                                                                                                                                                                           |
| Detection Range         | 1.0-25ng/mL                                                                                                                                                                           |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                              |
| Intended Uses           | This ALK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ALK. This ELISA kit for research use only, not for therapeutic applications  |
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| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ALK elisa kit | <b>Principle of the Assay:</b> ALK ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALK antibody and an ALK-HRP conjugate. The assay sample and buffer are incubated together with ALK-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 ALK concentration since ALK from samples and ALK-HRP conjugate compete for the anti-ALK antibody binding site. Since the number of sites is limited, as more sites are occupied by ALK from the sample, fewer sites are left to bind ALK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALK concentration in each sample is interpolated from this standard curve. |
| Product Categories/Family for ALK elisa kit   | Neuroscience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 296439447                                                                      |
| NCBI GeneID                      | 238                                                                            |
| Molecular Weight                 | 176,442 Da                                                                     |
| NCBI Official Full Name          | ALK tyrosine kinase receptor                                                   |
| NCBI Official Synonym Full Names | anaplastic lymphoma receptor tyrosine kinase                                   |
| NCBI Official Symbol             | ALK                                                                            |
| NCBI Official Synonym Symbols    | CD246; NBLST3                                                                  |
| NCBI Protein Information         | ALK tyrosine kinase receptor; CD246 antigen; mutant anaplastic lymphoma kinase |
| UniProt Protein Name             | ALK tyrosine kinase receptor                                                   |
| UniProt Gene Name                | ALK                                                                            |
| UniProt Entry Name               | ALK_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://stage.aaabiotech.com/alk-canine-elisa-kits/anapastic-lymphoma-kinase/95248>