

Human V-rel avian reticuloendotheliosis viral oncogene related B (RELB) ELISA Kit



Catalog No: #EK7543

Orders: order@signalwayantibody.com

Package Size: #EK7543-1 48T #EK7543-2 96T

Support: tech@signalwayantibody.com

Description

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| Product Name | Human V-rel avian reticuloendotheliosis viral oncogene related B (RELB) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Human (Homo sapiens) |
| Other Names | I-REL; IREL; REL-B; reticuloendotheliosis viral oncogene homolog B v-rel avian reticuloendotheliosis viral oncogene homolog B (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3) v |
| Storage | <p>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.</p> <p>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).</p> |

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.057 ng/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 RELB in samples. An antibody specific for RELB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRELB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RELB 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 RELB bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Bours et al. (1994) demonstrated that human RELB, when generated in mammalian cells, formed kappa-B-binding heterodimeric complexes with p50 (NFKB1) or p52 (NFKB2). Homodimeric complexes of RELB did not show DNA-binding activity.NF-kappa-B-inducing kinase (NIK, or MAP3K14) is required for osteoclastogenesis in response to pathologic stimuli. Vaira et al. (2008) found that overexpression of Relb, but not Rela, rescued differentiation of mouse Nik $-/-$ osteoclast precursors, indicating that blockade of the alternative NF-kappa-B pathway, rather than the classical NF-kappa-B pathway, is responsible for the osteoclastogenic defect in the absence of Nik. Using Relb $-/-$ mice, they showed that Relb itself was required for Rankl-induced osteoclastogenesis in vitro and for TNF-induced bone resorption in vivo

Note: This product is for in vitro research use only