

Rat TrkA AccuSignal ELISA Kit - KOA0509

Code: KOA0509

Size: 1 Kit

Product Description: Rat TrkA AccuSignal ELISA Kit - KOA0509

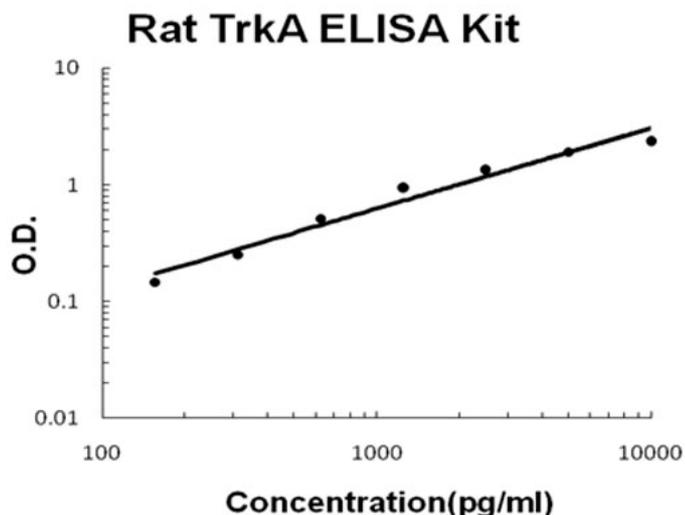
PhysicalState:

Label	Unconjugated								
Gene Name	NTRK1								
Species Reactivity	Rat								
Storage Condition	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.								
Synonyms	High affinity nerve growth factor receptor, MTC, Neurotrophic tyrosine kinase receptor type 1, NTRK1, NTRK1_HUMAN, Oncogene TRK, p140-TrkA, TRK, Trk-A, TRK1, TRK1-transforming tyrosine kinase protein								
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml rat TrkA 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 supernates, cell lysates or tissue lysates to each empty well. It is recommended that each rat TrkA standard solution and each sample be measured in duplicate.								
Background	Tropomyosin receptor kinase A(TrkA) are efficacious in attenuating skeletal pain.1 TrkA mutants were able to activate signaling cascades and were even more efficient in promoting neurite outgrowth than the wild-type receptor.2 TrkA is part of a sub-family of protein kinases which includes TrkB and TrkC. Also, there are other neurotrophic factors structurally related to NGF: BDNF(for Brain-Derived Neurotrophic Factor), NT-3(for Neurotrophin-3) and NT-4(for Neurotrophin-4). While TrkA mediates the effects of NGF, TrkB is bound and activated by BDNF, NT-4, and NT-3. Further, TrkC binds and is activated by NT-3.3 TrkA receptor was found in keratoconus-affected corneas, along with an increased level of repressor isoform of Sp3 transcription factor.4 The standard product used in this kit is extracellular part(A33-P418) of recombinant rat TRKA, consisting of 386 amino acids with the molecular weight of 69KDa.								
Purity And Specificity	Natural and recombinant rat TrkA. There is no detectable cross-reactivity with other relevant proteins.								
ELISA	156pg/ml-10000pg/ml								
Expiration	See kit insert for complete instructions.								
Immunogen	Expression system for standard: NSO; Immunogen sequence: A33-P418								
Related Products	<table border="0"> <tr> <td>MB-008</td> <td>10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008</td> </tr> <tr> <td>MB-012</td> <td>10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012</td> </tr> <tr> <td>MB-013</td> <td>10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013</td> </tr> <tr> <td>MB-075-1000</td> <td>10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000</td> </tr> </table>	MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008	MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012	MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013	MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000
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Related Links	<p>UniProtKB - P35739</p> <p>http://www.uniprot.org/uniprot/P04629</p> <p>NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_067600.1 NP_067600.1</p> <p>GeneID - 59109</p> <p>http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=59109</p>								

Images

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Rat TrkA AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.