Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for KOA0573

Mouse Angiopoietin-2 ELISA Kit

Overview

Description:	Mouse Angiopoietin-2 AccuSignal ELISA Kit - KOA0573
Item No.:	KOA0573
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	156 pg/ml - 10000 pg/ml

Product Details

Background:	Angiopoietin-2 is a protein that in humans is encoded by the ANGPTL2 gene. Angiopoietins are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietin-1, angiopoietin-2, and angiopoietin-4 participate in the formation of blood vessels. Human and mouse ANGPT2 are 85% identical in amino acid sequence and approximately 60% identical to their ANGPT1 homologs. Transgenic overexpression of ANGPT2 in mice disrupted blood vessel formation in the mouse embryo. By FISH and radiation hybrid analysis, the human ANGPT2 gene was mapped to 8p23, and in a region of syntenic homology on mouse chromosome 8, where the Angpt2 gene was mapped. ANGPT2 is a naturally occurring antagonist of angiopoietin-1 that competes for binding to the TIE2 receptor and blocks ANGPT1-induced TIE2 autophosphorylation during vasculogenesis .
Synonyms:	AGPT2, ANG 2, ANG-2, ANG2, Angiopoietin 2a, Angiopoietin 2B, Angiopoietin-2, Angiopoietin2, ANGP2_HUMAN, ANGPT 2, Angpt2, Tie2 ligand
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	ANGPT2
Reactivity:	Mouse
Immunogen:	Expression system for standard: CHO; Immunogen sequence: M1-F496

Purity/Specificity:	Natural and recombinant mouse Angiopoietin-2. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - B9EHQ4 • NCBI - NP_031452.2 • GeneID - 11601 • KOA0573 Protocol

Application Details

Tested Applications:	ELISA
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 mouse Angiopoietin-2 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse Angiopoietin-2 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	DOE: @4°C 08/17/2025 @-20°C 02/17/2026

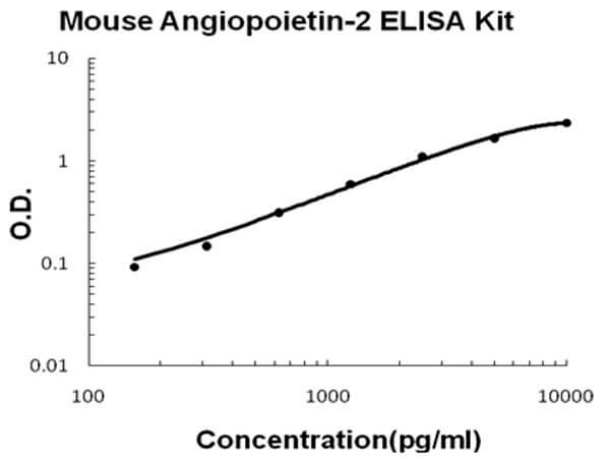
Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
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.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Mouse Angiopoietin-2 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.