

Datasheet for ABIN969571
anti-Thrombopoietin antibody

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Overview

Quantity:	0.1 mg
Target:	Thrombopoietin (THPO)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Thrombopoietin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human THPO expressed in E. coli.
Clone:	1B11
Isotype:	IgG2a
Purification:	purified

Target Details

Target:	Thrombopoietin (THPO)
Alternative Name:	THPO (THPO Products)
Background:	Description: Megakaryocytopoiesis is the cellular development process that leads to platelet production. The protein encoded by this gene is a humoral growth factor that is necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. This protein is the ligand for MLP/C_MPL, the product of myeloproliferative leukemia virus oncogene. Alternate

Target Details

splicing results in multiple transcript variants of this gene.

Aliases: ML, TPO, MGDF, MKCSF, MPLLG

Molecular Weight: 37.8 kDa

Gene ID: 7066

HGNC: 7066

Pathways: [JAK-STAT Signaling](#), [Hormone Activity](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

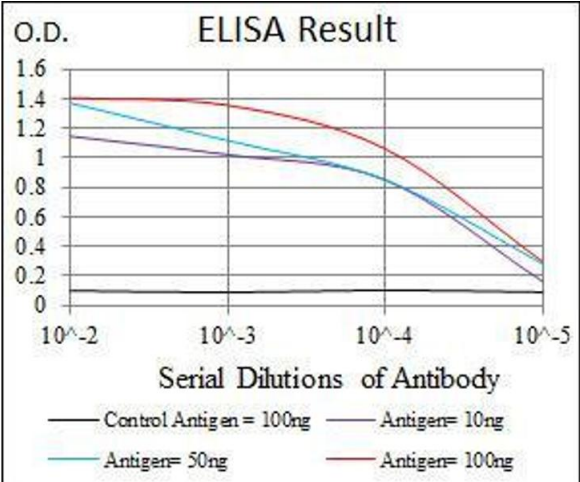
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Mishra, Thakur, Somal, Parmar, Yadav, Bharati, Bharti, Paul, Verma, Chouhan, Sharma, Singh, González, D'Occhio, Sarkar et al.: "Expression and localization of angiopoietin family in buffalo ovarian follicles during different stages of development and modulatory role of angiopoietins on steroidogenesis and survival of cultured ..." in: **Theriogenology**, Vol. 86, Issue 7, pp. 1818-33, (2016) ([PubMed](#)).

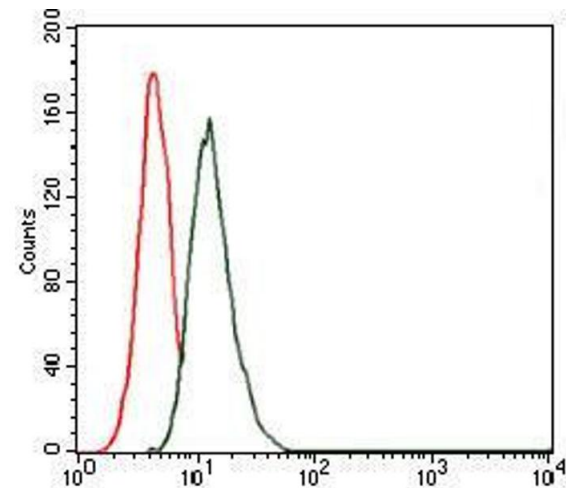
Mishra, Parmar, Yadav, Reshma, Bharati, Bharti, Paul, Chouhan, Taru Sharma, Singh, Sarkar et al.: "Expression and localization of angiopoietin family in corpus luteum during different stages of oestrous cycle and modulatory role of angiopoietins on steroidogenesis, angiogenesis and survivability ..." in: **Reproduction in domestic animals = Zuchthygiene**, Vol. 51, Issue 6, pp. 855-

Images



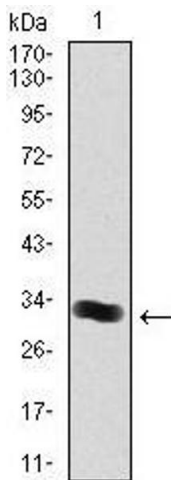
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Flow Cytometry

Image 2. Flow cytometric analysis of MCF-7 cells using THPO mouse mAb (green) and negative control (red).



Western Blotting

Image 3. Western blot analysis using THPO mAb against human THPO (AA: 250-303) recombinant protein. (Expected MW is 30 kDa)