Datasheet for ABIN969439

anti-Osteoprotegerin antibody

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Overview

Quantity:	100 µL
Target:	Osteoprotegerin (TNFRSF11B)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Osteoprotegerin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human TNFRSF11B expressed in E. coli.
Clone:	5G2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Osteoprotegerin (TNFRSF11B)
Alternative Name:	TNFRSF11B (TNFRSF11B Products)
Target Type:	Chemical
Background:	Description: The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of

Target Details

	bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand, both of which are key extracellular regulators of osteoclast development. Studies of the mouse counterpart also suggest that this protein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of this gene have been reported, but their full length nature has not been determined. Aliases: OPG, TR1, OCIF, MGC29565, TNFRSF11B
Molecular Weight:	60 kDa
Gene ID:	4982
HGNC:	4982

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

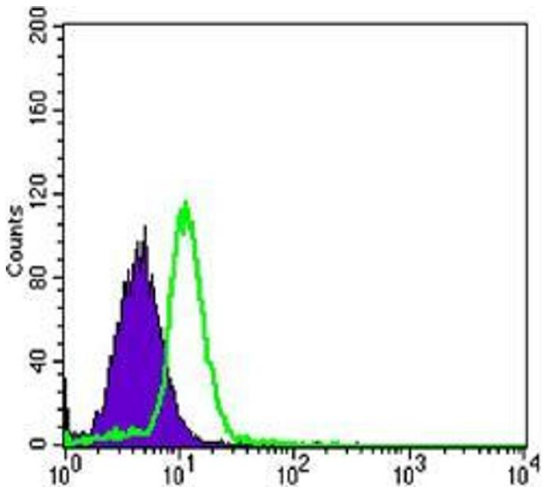
Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Publications

Product cited in:	Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavaillès, Blache, Quittau-Prévostel: "A new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in: **Journal of cell science**, Vol. 122, Issue Pt 13, pp. 2191-6, (2009) (PubMed). Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in development and disease." in: **Journal of medical genetics**, Vol. 46, Issue 10, pp. 649-56, (2009) (PubMed).

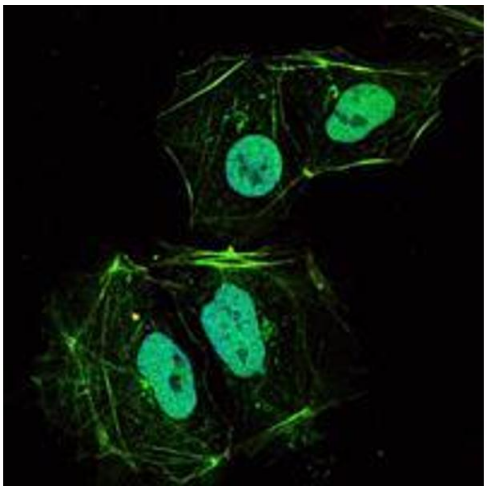
Publications

Images



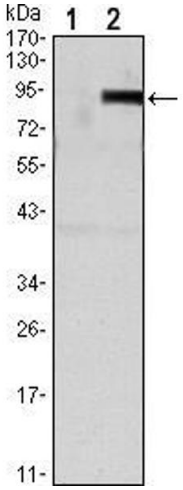
Flow Cytometry

Image 1. Flow cytometric analysis of HL-60 cells using TNFRSF11B mouse mAb (green) and negative control (purple).



Immunofluorescence

Image 2. Immunofluorescence analysis of HL-60 cells using TNFRSF11B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Western Blotting

Image 3. Western blot analysis using TNFRSF11B mAb against HEK293 (1) and TNFRSF11B(AA: 22-401)-hIgGFc transfected HEK293 (2) cell lysate.