BT LAB
Bioassay Technology Laboratory
Optimize Your Research

RBL2 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3127
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human RBL2 (AA: 939-1139) expressed in E. Coli.
Mol wt	128.4kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	FCM
Concentration	N/A
Full name	N/A
Synonyms	Rb2;P130

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

RBL2 is a Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.

Recommended Dilution

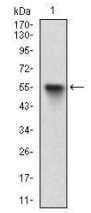
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

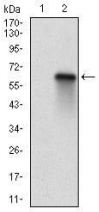
ELISA: 1:10000

Not yet tested in other applications.

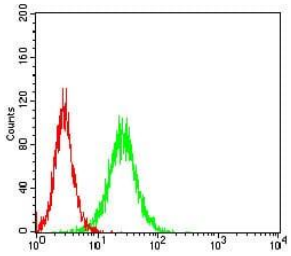
Images



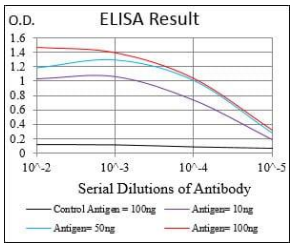
Western blot analysis using RBL2 mAb against human RBL2 (AA: 939-1139) recombinant protein. (Expected MW is 48.7 kDa)



Western blot analysis using RBL2 mAb against HEK293 (1) and RBL2 (AA: 939-1139)-hIgGFc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of Hela cells using RBL2 mouse mAb (green) and negative control (red).



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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