BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-B-cell linker protein BLNK Monoclonal Antibody

Catalog Number: M03630-1

About BLNK

Anti Mesothelin Antibody recognizes Mesothelin that is a glycosyl-phosphatidylinositol–anchored glycoprotein present on the cell surface of various human solid tumors. The mesothelin (MSLN) gene encodes a 71-kDa precursor protein that is processed to a 40-kDa glycosylphosphatidylinositol–anchored protein that composes the mature portion and an NH2 terminal 31-kDa fragment called megakaryocyte-potentiating factor that is released from the cell. Mesothelin is a tumor differentiation antigen present at low levels on a restricted set of normal adult tissues, such as mesothelium, but aberrantly over expressed in mesotheliomas, ovarian, and pancreatic cancers. The biological functions of mesothelin remain elusive. A recent study showed that mesothelin binds to MUC16/CA125, and that this interaction mediates cell adhesion, suggesting that there may be an important role for MUC16/CA125 and mesothelin in the metastatic spread of ovarian cancer.

Overview

Product Name	Anti-B-cell linker protein BLNK Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-B-cell linker protein BLNK Monoclonal Antibody catalog # M03630-1. Tested in ELISA, Flow Cytometry, IF, IHC, WB applications. This antibody reacts with Human, Mouse.
Application	ELISA, Flow Cytometry, IF, IHC, WB
Clonality	Monoclonal 5G9
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q8WV28

Technical Details

Immunogen	Purified recombinant fragment of human BLNK expressed in E. Coli.
Predicted Reactive Species	Chimpanzee, Macaque
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Purification	Affinity purification
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:500-1:2000 IHC 1:200-1:1000 IF 1:200-1:1000 FC 1:200-1:400 ELISA 1:10000

BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-B-cell linker protein BLNK Monoclonal Antibody (M03630-1) Images

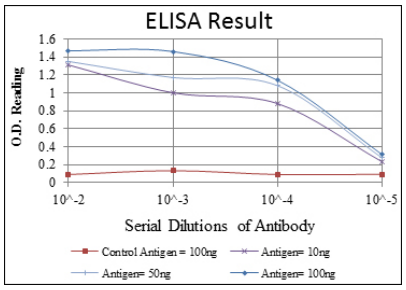

Figure 5. ELISA validation of BLNK using Anti-B-cell linker protein BLNK Monoclonal Antibody (M03630-1).

ELISA analysis of BLNK antibody.

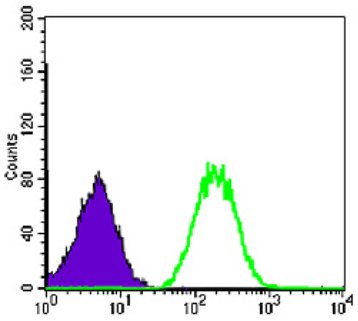

Figure 4. Flow Cytometry validation of BLNK using Anti-B-cell linker protein BLNK Monoclonal Antibody (M03630-1).

Flow cytometric (FCM) analysis of NIH/3T3 cells using BLNK Monoclonal Antibody (green) and negative control (purple).

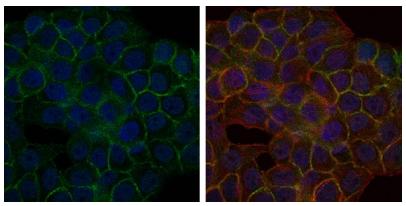

Figure 3. Immunofluorescent staining data of BLNK using Anti-B-cell linker protein BLNK Monoclonal Antibody (M03630-1).

Immunofluorescence (IF) analysis of HepG2 cells using BLNK Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

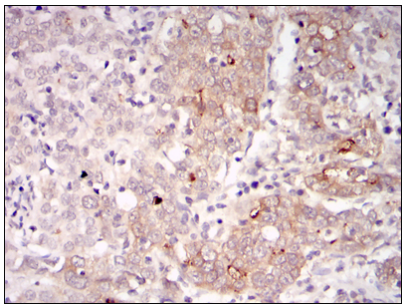

Figure 2. Immunohistochemistry validation of BLNK using Anti-B-cell linker protein BLNK Monoclonal Antibody (M03630-1).

Immunohistochemistry (IHC) analysis of paraffin-embedded human cervical cancer tissues with DAB staining using BLNK Monoclonal Antibody.
For more protocol information of IHC

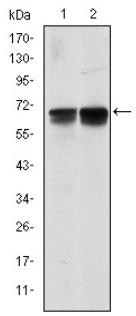

Figure 1. Western blotting validation for Anti-B-cell linker protein BLNK Monoclonal Antibody M03630-1

Western Blot (WB) analysis using BLNK Monoclonal Antibody against NIH/3T3 (1) and BCBL-1 (2) cell lysate.
Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-B-cell linker protein BLNK Monoclonal Antibody