

Anti-CD63 Antibody (4G617)

Product Details

Ig Type:	IgG1
Reactivity:	Human, Rabbit
Conjugation:	Unconjugated
Clone:	4G617
Purification:	Protein G purified

Applications

1. Western Blot

- Positive WB detected in: A549 whole cell lysate, Hela whole cell lysate, HepG2 whole cell lysate, MCF-7 whole cell lysate
- All lanes CD63 antibody at 1:1000
- Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution
- Predicted band size: 30-120 KD KDa
- Observed band size: 30-120 KD KDa
- Exposure time:1min

2. Western Blot

- Positive WB detected in: Raji whole cell lysate
- All lanes CD63 antibody at 1:1000
- Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution
- Predicted band size: 30-120 KD KDa
- Observed band size: 30-120 KD KDa
- Exposure time:1min

3. Western Blot

- Positive WB detected in: A375 whole cell lysate, Rabbit spleen tissue
- All lanes CD63 antibody at 1:1000
- Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution
- Predicted band size: 30-120 KD KDa
- Observed band size: 30-120 KD KDa
- Exposure time:1min`

Verified Activity:

- IHC image of TMAH-00215 diluted at 1:500 and staining in paraffin-embedded human lung cancer tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at 37°C. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG labeled by HRP and visualized using 0.05% DAB.
- IHC image of TMAH-00215 diluted at 1:500 and staining in paraffin-embedded human lung cancer tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at 37°C. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG labeled by HRP and visualized using 0.05% DAB.
- IHC image of TMAH-00215 diluted at 1:500 and staining in paraffin-embedded human lung cancer tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen

retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at 37°C. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG labeled by HRP and visualized using 0.05% DAB.

7. Immunofluorescence staining of A549 cells with TMAH-00215 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).

8. Immunofluorescence staining of Hela cells with TMAH-00215 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).

9. Immunofluorescence staining of MCF-7 cells with TMAH-00215 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).

10. Overlay histogram showing A549 cells stained with TMAH-00215 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG2b (1µg/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.

11. Overlay histogram showing Hela cells stained with TMAH-00215 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG2b (1µg/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.

12. Overlay histogram showing HepG2 cells stained with TMAH-00215 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG2b (1µg/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.

13. Overlay histogram showing K562 cells stained with TMAH-00215 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG2b (1µg/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.

14. 1-Exosomes extracted from Hela cells

2-Exosomes extracted from Hela cells

3-Exosomes extracted from urine

A DRUG SCREENING EXPERT

Application: ELISA,FCM,IF,IHC,WB

Properties

Purity: >95%

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human CD63 antigen Protein (103-203AA)

Antigen Species: Human

Gene ID: 967

Uniprot ID: P41731

Synonyms: CD63 molecule;C75951;Tspan30;ME491

Biology Area: Epigenetics and Nuclear Signaling

Research Background

Functions as cell surface receptor for TIMP1 and plays a role in the activation of cellular signaling cascades. Plays a role in the activation of ITGB1 and integrin signaling, leading to the activation of AKT, FAK/PTK2 and MAP kinases. Promotes cell survival, reorganization of the actin cytoskeleton, cell adhesion, spreading and migration, via its role in the activation of AKT and FAK/PTK2. Plays a role in VEGFA signaling via its role in regulating the internalization of KDR/VEGFR2. Plays a role in intracellular vesicular transport processes, and is required for normal trafficking of the PMEL luminal domain that is essential for the development and maturation of melanocytes. Plays a role in the adhesion of leukocytes onto endothelial cells via its role in the regulation of SELP trafficking. May play a role in mast cell degranulation in response to Ms4a2/FcεRI stimulation, but not in mast cell degranulation in response to other stimuli.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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