

Anti-Claudin-4 Antibody (5G126)

Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5G126
Purification:	Affinity-chromatography

Applications

Verified Activity:	Overlay Peak curve showing MCF7 cells surface stained with TMAH-00278 (red line) at 1:100. Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1 μ g/1*10 ⁶ cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1 μ g/1*10 ⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.
Application:	ELISA,FCM
Recommended	FCM:1:50-1:200.

Properties

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:	A synthetic peptide: Human CLDN4
Antigen Species:	Human
Gene ID:	1364
Uniprot ID:	O14493
Synonyms:	CPE R;CLDN4;CPETR1;Claudin-4;CPE-R;Claudin4;WBSCR8
Biology Area:	Immunology

Research Background

Channel-forming tight junction protein that mediates paracellular chloride transport in the kidney. Plays a critical role in the paracellular reabsorption of filtered chloride in the kidney collecting ducts. Claudins play a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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