

Anti-LYVE1 Antibody (5P861)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5P861
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Immunofluorescence staining of HepG2 with TMAH-00716 at 1:25, 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. The secondary antibody was Alexa Fluor 505-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).</p> <p>2. Overlay Peak curve showing HepG2 cells surface stained with TMAH-00716 (red line) at 1:50. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1µg/1*10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.</p>
Application:	ELISA, IF, FCM
Recommended	IF:1:50-1:200; 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 LYVE1
Antigen Species:	Human
Gene ID:	10894
Uniprot ID:	Q9Y5Y7
Synonyms:	HAR; Extracellular link domain-containing protein 1; Cell surface retention sequence-binding protein 1; Hyaluronic acid receptor; Lymphatic vessel endothelial hyaluronic acid receptor 1; CRSBP1; LYVE-1; CRSBP-1; XLKD1
Biology Area:	Cardiovascular

Research Background

Ligand-specific transporter trafficking between intracellular organelles (TGN) and the plasma membrane. Plays a role in autocrine regulation of cell growth mediated by growth regulators containing cell surface retention sequence binding (CRS). May act as a hyaluronan (HA) transporter, either mediating its uptake for catabolism within lymphatic endothelial cells themselves, or its transport into the lumen of afferent lymphatic vessels for subsequent re-uptake

and degradation in lymph nodes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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