

Anti-ITGAL Antibody (6D918)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6D918
Purification:	Affinity-chromatography

Applications

Verified Activity:	1. Western Blot -Positive WB detected in: THP-1 whole cell lysate -All lanes: ITGAL antibody at 1:2000 -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 129, 135, 120 kDa -Observed band size: 130 kDa
	2. Immunofluorescence staining of THP-1 cell with TMAH-00645 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. The secondary antibody was Alexa Fluor 490-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).
Application:	ELISA,IF,WB
Recommended	WB:1:500-1:2000; IF: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 ITGAL
Antigen Species:	Human
Gene ID:	3683
Uniprot ID:	P20701
Synonyms:	CD11A
Biology Area:	Immunology, Signal transduction, Stem cells

Research Background

Integrin ITGAL/ITGB2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrin ITGAL/ITGB2 is a receptor for F11R. Integrin ITGAL/ITGB2 is a receptor for the secreted form of ubiquitin-like protein ISG15; the interaction is mediated by ITGAL. Involved in a variety of immune phenomena including leukocyte-endothelial cell interaction, cytotoxic T-cell mediated killing, and antibody dependent killing by granulocytes and monocytes. Contributes to natural killer cell cytotoxicity. Involved in leukocyte adhesion and transmigration of leukocytes including T-cells and neutrophils.

A DRUG SCREENING EXPERT

Required for generation of common lymphoid progenitor cells in bone marrow, indicating a role in lymphopoiesis. Integrin ITGAL/ITGB2 in association with ICAM3, contributes to apoptotic neutrophil phagocytosis by macrophages.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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