SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CD43 antibody

Catalog Number: SLM-60237R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	H6G11
Target:	CD43
Purification:	Affinity purified by Protein A
Concentration:	0.5mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 Flow-Cyt=1:50-100 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	38kDa
Subcellular Location:	The cell membrane
Background:	This gene encodes a highly sialylated glycoprotein that functions in antigen-specific activation of T cells, and is found on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, and some B lymphocytes. It contains a mucin-like extracellular domain, a transmembrane region and a carboxy-terminal intracellular region. The extracellular domain has a high proportion of serine and threonine residues, allowing extensive O-glycosylation, and has one potential N-glycosylation site, while the carboxy-terminal region has potential phosphorylation sites that may mediate transduction of activation signals. Different glycoforms of this protein have been described. In stimulated immune cells, proteolytic cleavage of the extracellular domain occurs in some cell types, releasing a soluble extracellular fragment. Defects in expression of this gene are associated with Wiskott-Aldrich syndrome. [provided by RefSeq, Sep 2017] **Subcellular Location:** Membrane; Single-pass type I membrane protein.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Tissue Specificity: Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas. **Database links:** **Entrez Gene:** 6693 Human **Entrez Gene:** 20737 Mouse **SwissProt:** P16150 Human **SwissProt:** P15702 Mouse CD43, also known as leukocyte sialoglycoprotein or sialoprotein, is a transmembrane surface protein encoded in humans by the SPN (sialoprotein) gene. Defects in the CD43 molecule are associated with the pathogenesis of Wiskott-Aldrich syndrome.

[VALIDATION IMAGES]

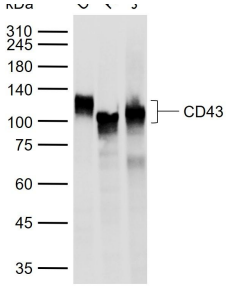


Figure 1. Sample: Lane 1: Human U937 cell lysates Lane 2: Human K562 cell lysates Lane 3: Human Jurkat cell lysates Primary: Anti-CD43 (SLM-60237R) at 1/10000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kDa Observed band size: 105 kDa

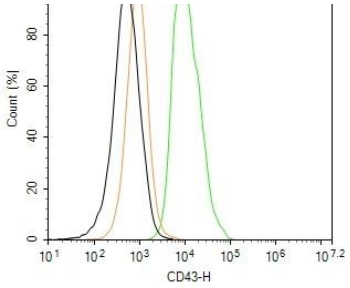


Figure 2. The U937 (H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-CD43 antibody (SLM-60237R,1:100); Isotype Control (orange): Rabbit IgG (SL0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed

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