

## ARG41104 anti-CD84 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CD84
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD84
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 22-225 of Human CD84 (NP_003865.1).
Conjugation	Un-conjugated
Alternate Names	hCD84; Leukocyte differentiation antigen CD84; Hly9-beta; CD antigen CD84; LY9B; mCD84; Cell surface antigen MAX.3; SLAM family member 5; SLAMF5; Signaling lymphocytic activation molecule 5

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	THP-1	
Observed Size	65 kDa	

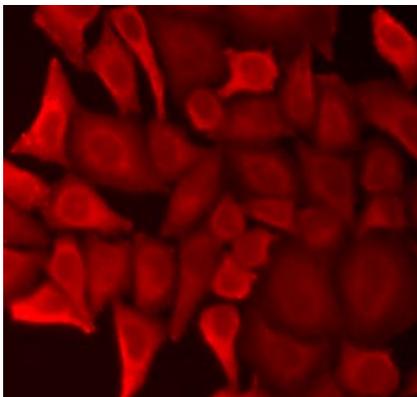
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	CD84
Gene Full Name	CD84 molecule
Background	This gene encodes a membrane glycoprotein that is a member of the signaling lymphocyte activation molecule (SLAM) family. This family forms a subset of the larger CD2 cell-surface receptor Ig superfamily. The encoded protein is a homophilic adhesion molecule that is expressed in numerous immune cells types and is involved in regulating receptor-mediated signaling in those cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011]
Function	Plays a role as adhesion receptor functioning by homophilic interactions and by clustering. Recruits SH2 domain-containing proteins SH2D1A/SAP. Increases proliferative responses of activated T-cells and SH2D1A/SAP does not seem to be required for this process. Homophilic interactions enhance interferon gamma/IFNG secretion in lymphocytes and induce platelet stimulation via a SH2D1A/SAP-dependent pathway. May serve as a marker for hematopoietic progenitor cells. [UniProt]
Calculated Mw	39 kDa
PTM	Phosphorylated by tyrosine-protein kinase LCK on tyrosine residues following ligation induced by agonist monoclonal antibody. The association with SH2D1A is dependent of tyrosine phosphorylation of its cytoplasmic domain. Phosphorylated on Tyr-296 and Tyr-316 following platelet aggregation. Phosphorylated on tyrosine residues upon high affinity immunoglobulin epsilon receptor aggregation in mast cells.  N-glycosylated. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

## Images



ARG41104 anti-CD84 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG41104 anti-CD84 antibody.



ARG41104 anti-CD84 antibody WB image

Western blot: 25 µg of THP-1 cell lysate stained with ARG41104 anti-CD84 antibody at 1:1000 dilution.