

Product datasheet for TP519598

Cd84 (NM_013489) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse CD84 antigen (Cd84), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219598 protein sequence Red =Cloning site Green =Tags(s) MAQRHLWIWFLCLQTWSEAAGKDADPMVMNGILGESVTFLNLIQEPKKIDNIAWTSQSSVAFIKPGVNA EVTITQGTYKGRIEIDQKYDLVIRDLRMEAGTYKADINEENEETITKIYYLHIYRRLKTPKITQSLIS SLNNTCNITLTCSVEKEEKDVTSWSPFGEKSNVLQIVHSPMDQKLTYTCTAQNPVSNSSDSVTVQQPCT DTPSFHPRHAVLPGLAVLFLILIPMLAFLFRLYKRRRDRIVLEADDVSKKTVYAVVSRNAQPTESRIY DEIPQSKMLSCCKDPVTTIYSSVQLSEKMKETNMKDRSLPKALGNEIVV TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	37.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_038517
Locus ID:	12523
UniProt ID:	Q18PI6


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RefSeq Size:	3290
Cytogenetics:	1 79.54 cM
RefSeq ORF:	987
Synonyms:	A130013D22Rik; CDw84; SLAMF5
Summary:	<p>Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response. Activities are controlled by presence or absence of small cytoplasmic adapter proteins, SH2D1A/SAP and/or SH2D1B/EAT-2 (PubMed:20962259). Can mediate natural killer (NK) cell cytotoxicity dependent on SH2D1A and SH2D1B (PubMed:20962259). 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 (By similarity). Required for a prolonged T-cell:B-cell contact, optimal T follicular helper function, and germinal center formation (PubMed:20153220). In germinal centers involved in maintaining B cell tolerance and in preventing autoimmunity (PubMed:25801429). In mast cells negatively regulates high affinity immunoglobulin epsilon receptor signaling; independent of SH2D1A and SH2D1B but implicating FES and PTPN6/SHP-1 (By similarity). In macrophages enhances LPS-induced MAPK phosphorylation and NF-kappaB activation and modulates LPS-induced cytokine secretion; involving ITSM 2 (PubMed:20628063). Positively regulates macroautophagy in primary dendritic cells via stabilization of IRF8; inhibits TRIM21-mediated proteasomal degradation of IRF8 (By similarity).[UniProtKB/Swiss-Prot Function]</p>