

Product datasheet for TP526636

Itgb2 (NM_008404) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse integrin beta 2 (Itgb2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226636 representing NM_008404 Red=Cloning site Green=Tags(s)

MLGPHSLLLALAGLFFLGSAVSQECTKYKVSSCRDCIQSGPGCSWCQKLNFTGPGEPDSLRCDDTRAQLLL
KGCPADDIMDPRSIANPEFDQRGQRKQLSPQKVTLYLRPGQAAAFNVTFRRAKGYPIDLYLMDLSYSML
DDLNNVKKLGGDLLQALNEITESGRIGFGSFVDKTVLPFVNTHEPEKLRNPCPNKEKACQPPFAFRHVLKL
TDNSNQFQTEVGKQLISGNLDAPEGGLDAIMQVAACPEEIGWRNVTRLLVFATDDGFHFAGDGKLGAILT
PNDGRCHLEDNMYKRSNEFDYPSVGLAHLKLSSENIQPIFAVTKKMVKTYEKLTEIIPKSAVGELSDDSS
NVVQLIKNAYYKLSRVFLDHSTLPDTLKVTYDSFCSNGASSIGKSRGDCDGVQINNPFVQVKVMASEC
IQEQSFVIRALGFTDVTVQVRPQCECQCRDQSREQSLCGGKGVMECGICRCESGYIGKNCECQTQGRSS
QELERNCRKDNSSIVCSGLGDCICGQCVCHTSDVPNKEIFGQYCECDNVNCERYNSQVCGGSDRGSCNCG
KCSCKPGYEGSACQCQRSTTGCLNARLVECSGRGHCQCNRCICDEGYQPPMCEDCPSCGSHCRDNHTSCA
ECLKFDKGPFEKNCSVQCAGMTLQTIPLKKKPKKERDSEGCWITYTLQKQDGRNIYNIHVEDSLECVKGP
NVAIVGGTVVGVVIGVLLLVIWKALHTLTDLREYRRFEKEKLSQWNNDNPLFKSATTTVMNPKFAES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	85.3 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.



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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_032430
Locus ID:	16414
UniProt ID:	P11835 , Q54218
RefSeq Size:	2862
Cytogenetics:	10 39.72 cM
RefSeq ORF:	2310
Synonyms:	2E6; AI528527; Cd18; LAD; LCAMB; Lfa1; MF17
Summary:	<p>Integrin ITGAL/ITGB2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrin ITGAL/ITGB2 is also a receptor for the secreted form of ubiquitin-like protein ISG15; the interaction is mediated by ITGAL (By similarity). Integrins ITGAM/ITGB2 and ITGAX/ITGB2 are receptors for the iC3b fragment of the third complement component and for fibrinogen. Integrin ITGAX/ITGB2 recognizes the sequence G-P-R in fibrinogen alpha-chain. Integrin ITGAM/ITGB2 recognizes P1 and P2 peptides of fibrinogen gamma chain. Integrin ITGAM/ITGB2 is also a receptor for factor X. Integrin ITGAD/ITGB2 is a receptor for ICAM3 and VCAM1. Contributes to natural killer cell cytotoxicity (By similarity). Involved in leukocyte adhesion and transmigration of leukocytes including T-cells and neutrophils (By similarity). Triggers neutrophil transmigration during lung injury through PTK2B/PYK2-mediated activation (PubMed:18587400). Integrin ITGAL/ITGB2 in association with ICAM3, contributes to apoptotic neutrophil phagocytosis by macrophages (By similarity). In association with alpha subunit ITGAM/CD11b, required for CD177-PRTN3-mediated activation of TNF primed neutrophils (By similarity). Integrin ITGAM/ITGB2 plays a critical role in mast cell development and in immune complex-mediated glomerulonephritis. Mice expressing a null mutation of the ITGAM subunit gene demonstrate increase in neutrophil accumulation, in response to a impaired degranulation and phagocytosis, events that apparently accelerate apoptosis in neutrophils. These mice develop obesity.[UniProtKB/Swiss-Prot Function]</p>