

## Product datasheet for TP526845

### Cd19 (NM\_009844) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse CD19 antigen (Cd19), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226845 representing NM_009844 Red=Cloning site Green=Tags(s)
	<p>MPSPLPVSFLLFLTLVGGRPQKSLLEVEEAGNVLPCLPDSSPVSEKLAWYRGNQSTPFLELSPGSPG LGLHVGSLGILLVIVNVSDHMGGFYLCQKRPPFKDIWQPAWTVNVEDSGEMFRWNASDVRDLDCDLRNR SGSHRSTSGSGLYVWAKDHPKVGWTKPVCAPRGSSLNQSLINQDLTVAPGSTLWLSCGVPPVPAKGSIS WTHVHPRRPNVSLLSLGGHEHPVREMWWGSLLLPQATALDEGTYCLRGNLTIERHVKVIARSVWL WLLRTGGWIVPVVTLVYVIFCMVSLVAFLYCQRAFILRRKRKRMTDPARRFFKVTTPSGNGTQNQYGNVL SLPTSTSGQAHAQRWAAGLGSVPGSYGNPRIQVQDTGAQSHETGLEEEGEAYEEDDSEEGSEFYENDSNL GQDQVSQDGSYENPEDEPMGPEEEDSFSNAESYENADEELAQPVGRMMDFLSPHGSAAWDPREASSLGS QSYEDMRGILYAAPQLHSIQSGPSHEEDADSYENMDKSDDLEPAWEGEGHMGWTGTT</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	60.6 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:	<a href="#">NP_033974</a>



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Locus ID: 12478

UniProt ID: [P25918](#), [Q3TQG5](#)

RefSeq Size: 2440

Cytogenetics: 7 69.01 cM

RefSeq ORF: 1641

Synonyms: AW495831

**Summary:** Functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens (By similarity). Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores (PubMed:9382888, PubMed:12387743, PubMed:20101619). Is not required for early steps during B cell differentiation in the blood marrow (PubMed:7542548, PubMed:7543183, PubMed:9317126). Required for normal differentiation of B-1 cells (PubMed:7542548, PubMed:7543183, PubMed:12387743). Required for normal B cell differentiation and proliferation in response to antigen challenges (PubMed:7542548, PubMed:9317126, PubMed:12387743). Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge (PubMed:7542548, PubMed:7543183, PubMed:12387743).[UniProtKB/Swiss-Prot Function]