

Product datasheet for **MR226845L4V**

Cd19 (NM_009844) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cd19 (NM_009844) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cd19
Synonyms:	AW495831
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009844
ORF Size:	1641 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226845).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_009844.2 , NP_033974.2
RefSeq Size:	2440 bp
RefSeq ORF:	1644 bp
Locus ID:	12478
UniProt ID:	P25918
Cytogenetics:	7 69.01 cM



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Gene 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]