



gag Antibody, Biotin conjugated

Product Code	CSB-PA356017DD01MHK
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P03332
Immunogen	Recombinant Moloney murine leukemia virus Gag polyprotein protein (216-478AA)
Raised In	Rabbit
Species Reactivity	Moloney murine leukemia virus
Tested Applications	ELISA
Relevance	Gag polyprotein plays a role in budding and is processed by the viral protease during virion maturation outside the cell. During budding, it recruits, in a PPXY-dependent or independent manner, Ned4-like ubiquitin ligases that conjugate ubiquitin molecules to Gag, or to Gag binding host factors. Interaction with HECT ubiquitin ligases probably link the viral protein to the host ESCRT pathway and facilitate release. Matrix protein p15 targets Gag and gag-pol polyproteins to the plasma membrane via a multipartite membrane binding signal, that includes its myristoylated N-terminus. Also mediates nuclear localization of the preintegration complex. Capsid protein p30 forms the spherical core of the virion that encapsulates the genomic RNA-nucleocapsid complex. Nucleocapsid protein p10 is involved in the packaging and encapsidation of two copies of the genome. Binds with high affinity to conserved UUG elements within the packaging signal, located near the 5'-end of the genome. This binding is dependent on genome dimerization.
Form	Liquid
Conjugate	Biotin
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Gag polyprotein (Pr65gag) (Core polyprotein) [Cleaved into: Matrix protein p15 (MA); RNA-binding phosphoprotein p12 (pp12); Capsid protein p30 (CA); Nucleocapsid protein p10-Gag (NC-gag)], gag
Species	Moloney murine leukemia virus
Research Area	Others
Target Names	gag