



Anti-CD9 monoclonal antibody, clone vpg15 (CABT-45350MC)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Cat CD9 antibody, clone vpg15 recognizes feline CD9, a 226 amino acid multi pass transmembrane protein belonging to the tetraspanin family present on T cells, pre B-cells and monocytes. Mouse anti Cat CD9 antibody, clone vpg15 has been shown to delay acute FIV infection in cell culture and it appears to effect the inhibition post viral entry independently of viral tropism. Feline CD134 acts as an entry receptor in +ve activated feline CD4 cells in conjunction with binding to the CXCR4 receptor for productive infection by primary FIV isolates. Further, ectopic expression of feline CD9 in the IL-2-independent feline lymphoma cell line, 3201 enhances FIV infectivity, suggesting a direct role for CD9 in infection rather than indirect effects on signaling pathways as a result of CD9 ligation by clone vpg15. Flow Cytometry Use 50ul of the suggested working dilution to label 106 lymphocytes in 100ul.

Specificity	CD9
Immunogen	Crude pellet of thymocyte-grown feline immunodeficiency virus.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Cat
Clone	vpg15
Conjugate	Unconjugated
Applications	IHC-Fr; FC; IP
Format	Tissue Culture Supernatant - liquid
Size	2 ml

Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD9 CD9 molecule [Felis catus (domestic cat)]
Official Symbol	CD9
Synonyms	CD9; CD9 antigen;
Entrez Gene ID	493874
Protein Refseq	NP_001009305
UniProt ID	P40239
Chromosome Location	chromosome: B4
Pathway	Hematopoietic cell lineage;