ARG62426
anti-CD6 antibody [SPV-L14]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [SPV-L14] recognizes CD6
Tested Reactivity	Hu, Ms
Tested Application	ELISA, FACS, ICC/IF, IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	SPV-L14
Isotype	IgG1
Target Name	CD6
Species	Human
Immunogen	Anti-CD6 antibody was raised against CD8+ cytotoxic T-cell clone
Conjugation	Un-conjugated
Alternate Names	CD antigen CD6; TP120; T-cell differentiation antigen CD6; T12

Application Instructions

Application Note	IHC: 0.5-1.0 ug/ml FACS: 0.5-1.0 ug antibody/million cells ICC/IF: 0.5-1.0 ug/ml IP: 0.5-1.0 ug antibody/500 ug protein lysate * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Protein A/G purified
Buffer	1X PBS buffer with < 0.1% sodium azide.
Preservative	< 0.1% sodium azide.
Concentration	2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 12511 Mouse GeneID: 923 Human Swiss-port # P30203 Human Swiss-port # Q61003 Mouse
Gene Symbol	CD6
Gene Full Name	CD6 molecule
Background	CD6 is a type I transmembrane glycoprotein that contains a 24-amino acid signal sequence, three extracellular “scavenger receptor cysteine-rich” (SRCR) domains, a membrane-spanning domain and a 44-amino acid cytoplasmic domain. The CD6 glycoprotein is tyrosine phosphorylated during TCR-mediated T cell activation. CD6 shows significant homology to CD5. CD6 is present on mature thymocytes, peripheral T cells and a subset of B cells. Antibodies to CD6 are used to deplete T cells from bone marrow transplants to prevent graft versus host disease.
Function	Involved in cell adhesion. Binds to CD166. [UniProt]
Research Area	Developmental Biology antibody; Immune System antibody
Calculated Mw	72 kDa
PTM	After T-cell activation, becomes hyperphosphorylated on Ser and Thr residues and phosphorylated on Tyr residues. Glycosylated.