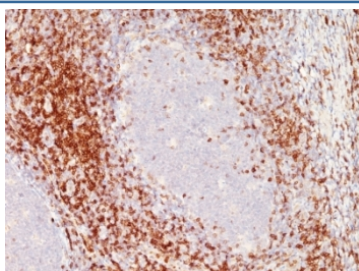


## Anti-CD6 Antibody [clone SPM547] (V9104)

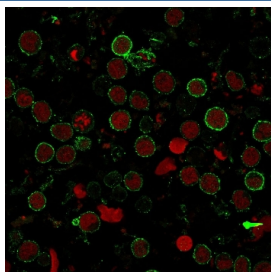
Catalog No.	Formulation	Size
V9104-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9104-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9104SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9104IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	SPM547
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P30203
<b>Localization</b>	Cell surface and Cytoplasmic
<b>Applications</b>	Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This anti-CD6 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human tonsil stained with anti-CD6 antibody (clone SPM547).



Immunofluorescent staining of human MOLT4 cells with CD6 antibody (green, clone SPM547) and Reddot nuclear stain (red).

## Description

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.

## Application Notes

The optimal dilution of the anti-CD6 antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Human recombinant protein was used as the immunogen for this anti-CD6 antibody.

## Storage

Store the anti-CD6 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).