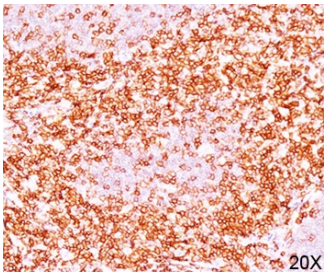
CD6 Antibody [clone C6/372] (V2040)

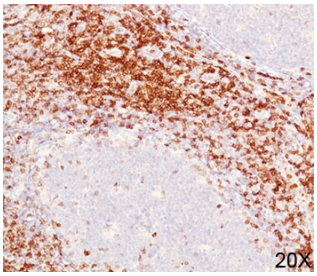
Catalog No.	Formulation	Size
V2040-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2040-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2040SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2040IHC-7ML	Prediluted 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

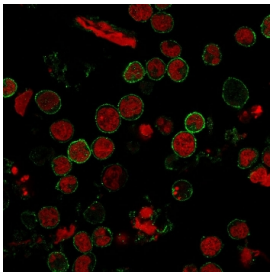
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	C6/372
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	923
Localization	Cell surface and cytoplasmic
Applications	Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **CD6 antibody** is available for research use only.



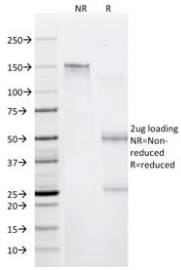
IHC testing of human tonsil (10X) stained with CD6 antibody (clone C6/372).



IHC testing of human tonsil (20X) stained with CD6 antibody (clone C6/372).



Immunofluorescent staining of human MOLT4 cells with CD6 antibody (green, clone C6/372) and Reddot nuclear stain (red).



SDS-PAGE analysis of purified, BSA-free CD6 antibody (clone C6/372) as confirmation of integrity and purity.

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. antibody to CD6 can be used to deplete T cells from bone marrow transplants to prevent graft versus host disease.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, 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 CD6 protein was used as the immunogen for this antibody.

Storage

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

References (1)