Leu1

CONTACT INFORMATION:	University of Oxford marketed by Ximbio.com
TYPE:	mouse anti human
CLONE NAME:	CD5/54/F6
PROTEIN:	Leu1 (CD5)
PROTEIN WEB:	https://www.omim.org/entry/153340
ANTIGEN USED:	Peptide from the intracellular region of CD5 (SSMQPDNSSDSDYDLHGAQRL)
FUSION PARTNER:	P3/NS1/1-Ag4.1
ISOTYPE:	IgG1
SPECIES REACTIVITY:	Human, Bovine, Chicken, Horse, Guinea Pig, Opossum, Pig, Primate, Rat and Rabbit
PREPARATION AND STORAGE:	Aliquot and store at 4C. Do not freeze
COMMERCIALIZED BY:	Ximbio.com
APP RECOMMENDED:	IHC WB

DESCRIPTION

CD5 is a surface glycoprotein present on peripheral T cells (>95%) and B-cell chronic lymphocytic leukaemia cells that binds CD72. CD5 has utility for the monitoring of T-cell numbers in peripheral blood and the identification of leukaemias of T cell origin. Absence of the CD5 marker on childhood ALL cells is associated with a more favourable prognosis.

PUBLICATION DESCRIBING ANTIBODY CHARACTERIZATION/VALIDATION

J Immunol. 1993 Jun 15;150(12):5429-35.

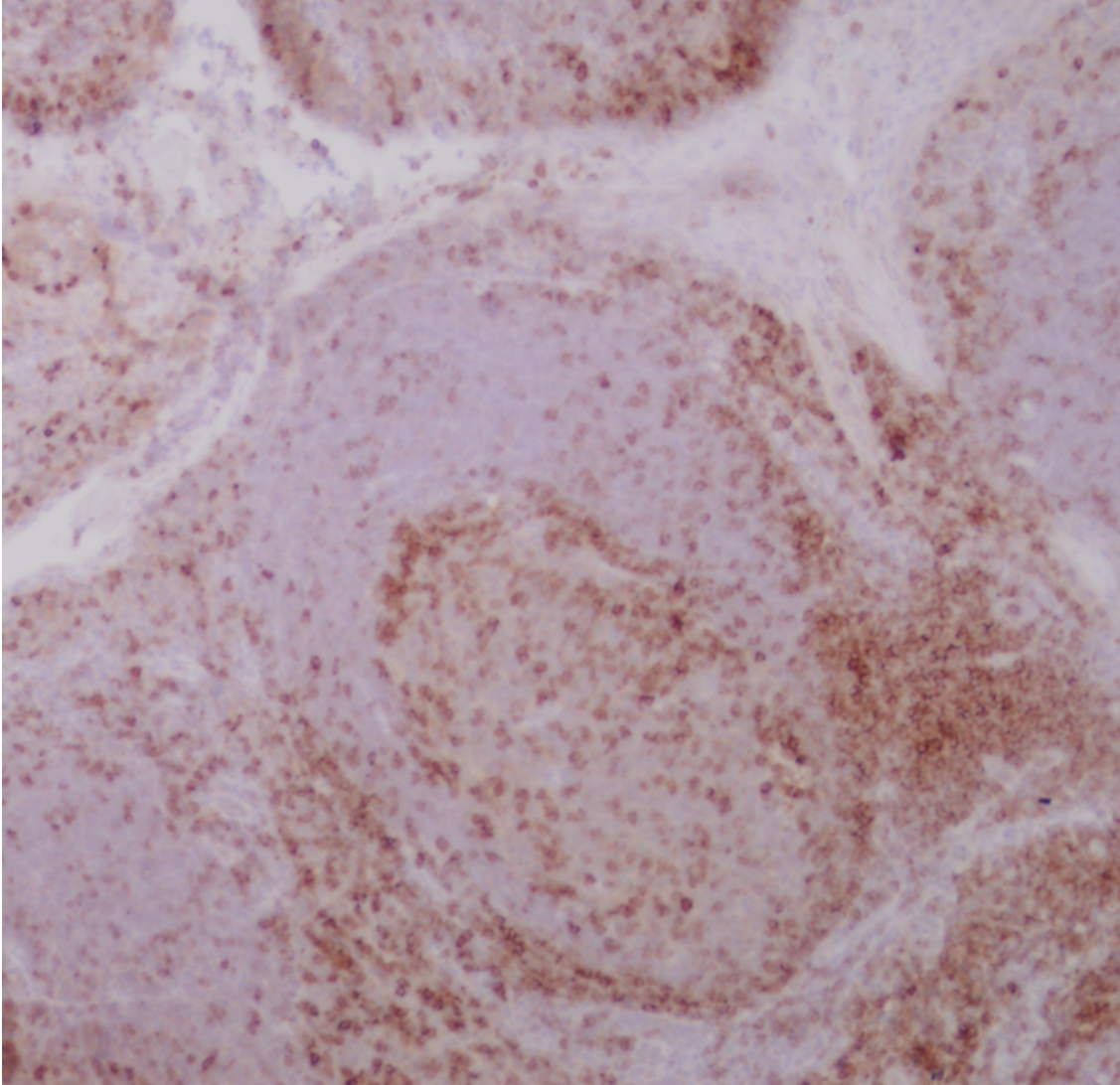Detection of T and B cells in many animal species using cross-reactive anti-peptide antibodies.

Jones M1, Cordell JL, Beyers AD, Tse AG, Mason DY.
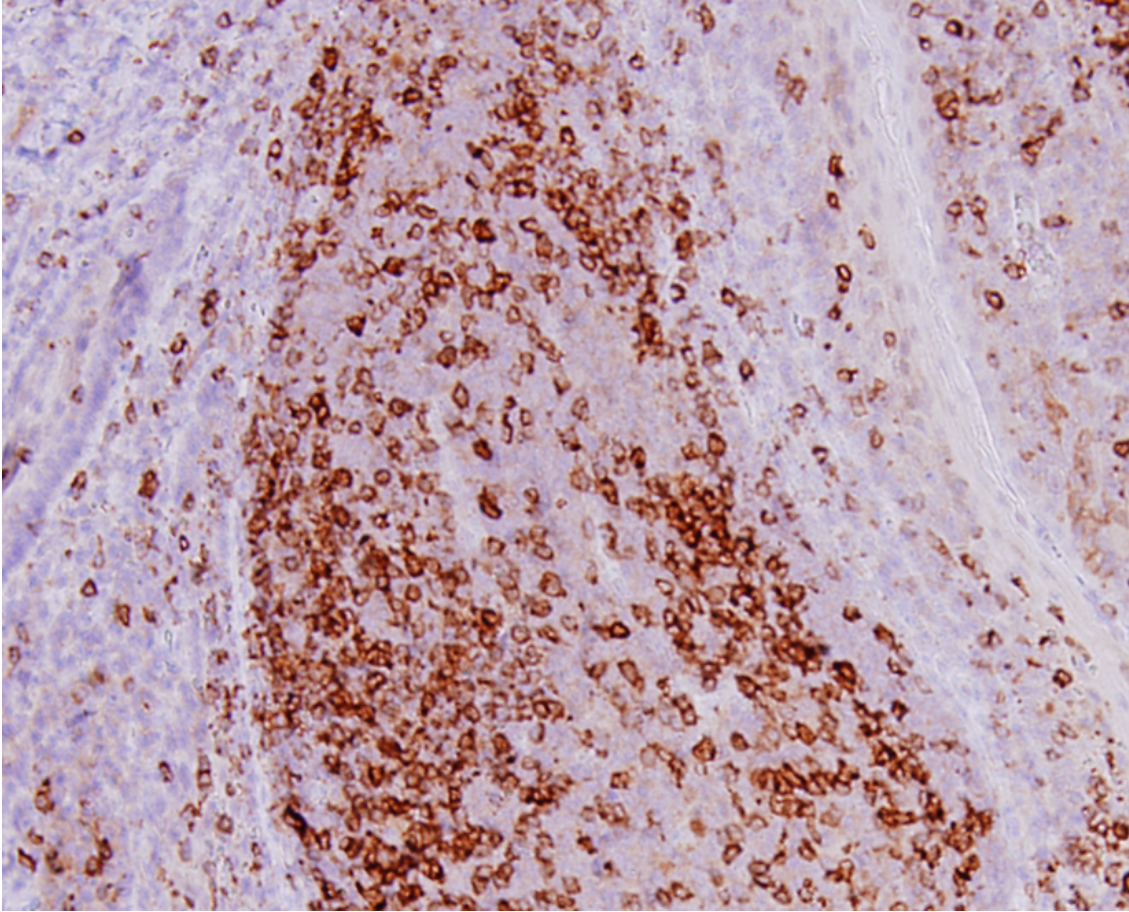
PMID: 8515069

https://www.ncbi.nlm.nih.gov/pubmed/8515069

APPLICATIONS

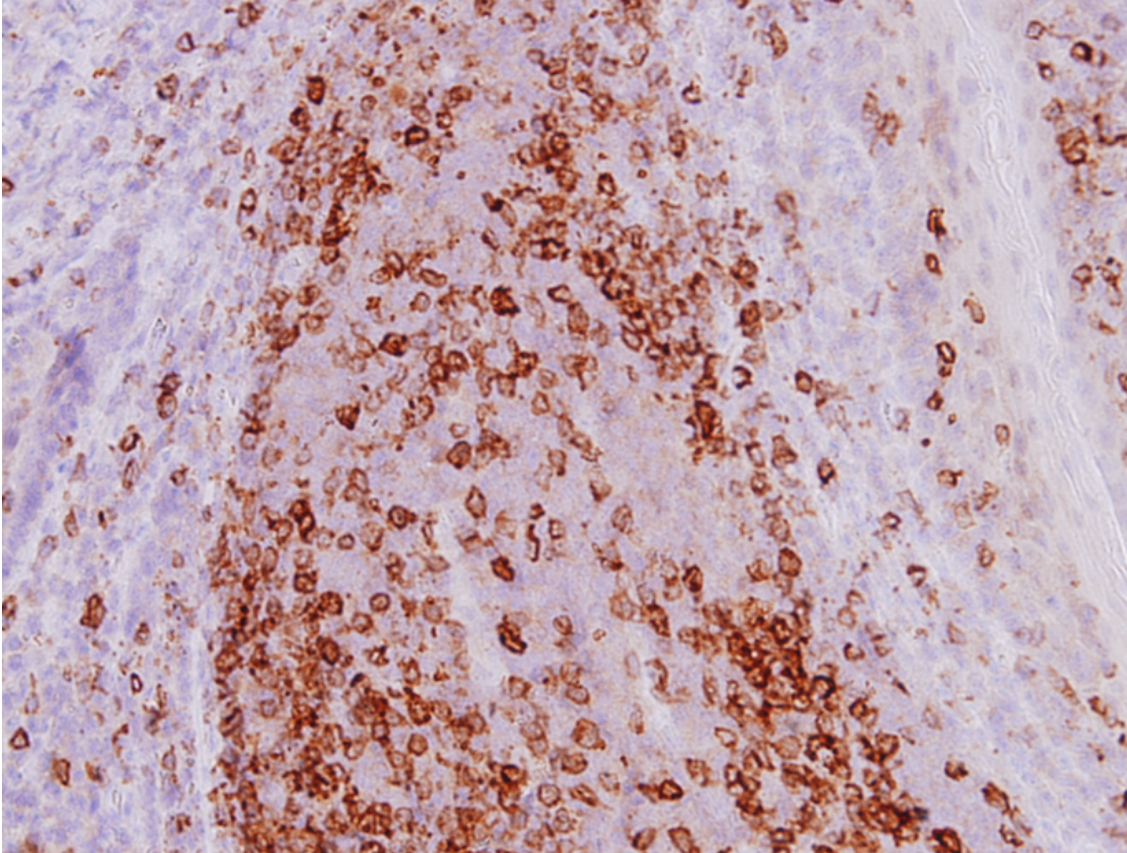| IHC Techniques	Clone	Dilution	Antibody concentration	Antigen retrieval method	Visualization kit	Positive control	Negative control	Protein localization	Positivity in other species
Frozen tissue and cytospins									
Paraffin tissue									
	CD5/54/F6	neat	supernatant	Tris EDTA	Dako Envision	Tonsil			
Immunofluorescence									

CD5/54/F6 Tonsil

Tonsil stained with neat supernatant from CD5/54/F6 hybridoma, detection using Dako Envision kit, 4x power image

CD5/54/F6 Tonsil

Tonsil stained with neat supernatant from CD5/54/F6 hybridoma, detection using Dako Envision kit, 10x power image

CD5/54/F6

Tonsil stained with neat supernatant from bcl-2/100 hybridoma, detection using Dako Envision kit, 10x power image