

## PECAM1

CONTACT INFORMATION:	University of Oxford marketed by Ximbio.com
TYPE:	mouse anti human
CLONE NAME:	JC70
PROTEIN:	PECAM1 (CD31)
PROTEIN WEB:	<a href="https://www.omim.org/entry/173445">https://www.omim.org/entry/173445</a>
ANTIGEN USED:	Cell membrane preparation from the spleen of a patient with hairy cell leukaemia
FUSION PARTNER:	P3/NS1/1-Ag4.1
ISOTYPE:	IgG1
SPECIES REACTIVITY:	Human
PREPARATION AND STORAGE:	Aliquot and store at 4C. Do not freeze
COMMERCIALIZED BY:	Ximbio.com
APP RECOMMENDED:	FACS IHC IF WB

### DESCRIPTION

---

PECAM1 (CD31) is a member of the immunoglobulin (Ig) superfamily that is expressed on the surface of circulating platelets, monocytes, neutrophils, particular T-cell subsets, and is also a major constituent of the endothelial cell intercellular junction. PECAM1 is implicated in several functions, including transendothelial migration of leukocytes, angiogenesis, and integrin activation. JC70 is a good marker of endothelial cells in paraffin sections.

### PUBLICATION DESCRIBING ANTIBODY CHARACTERIZATION/VALIDATION

---

J Clin Pathol. 1990 Sep;43(9):752-7.

JC70: a new monoclonal antibody that detects vascular endothelium associated antigen on routinely processed tissue sections.

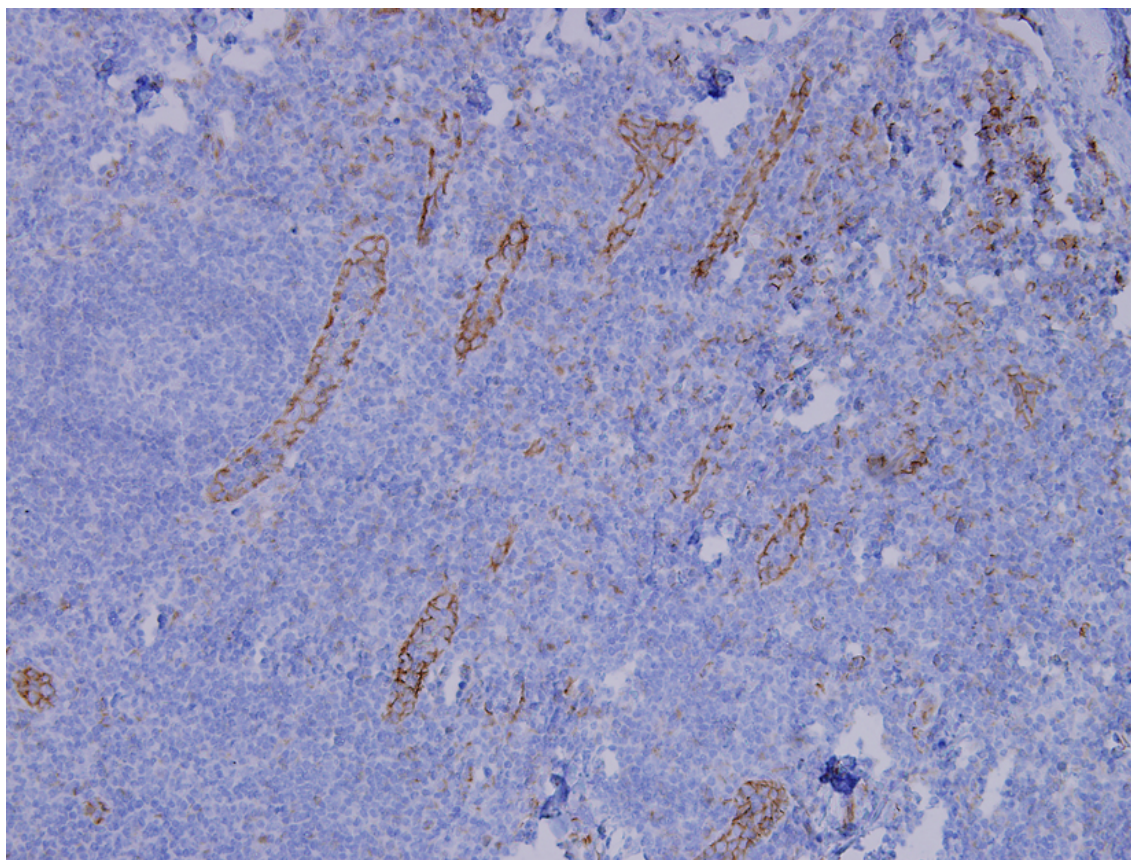
Parums DV1, Cordell JL, Micklem K, Heryet AR, Gatter KC, Mason DY.

PMID: 2212067

<https://www.ncbi.nlm.nih.gov/pubmed/2212067>

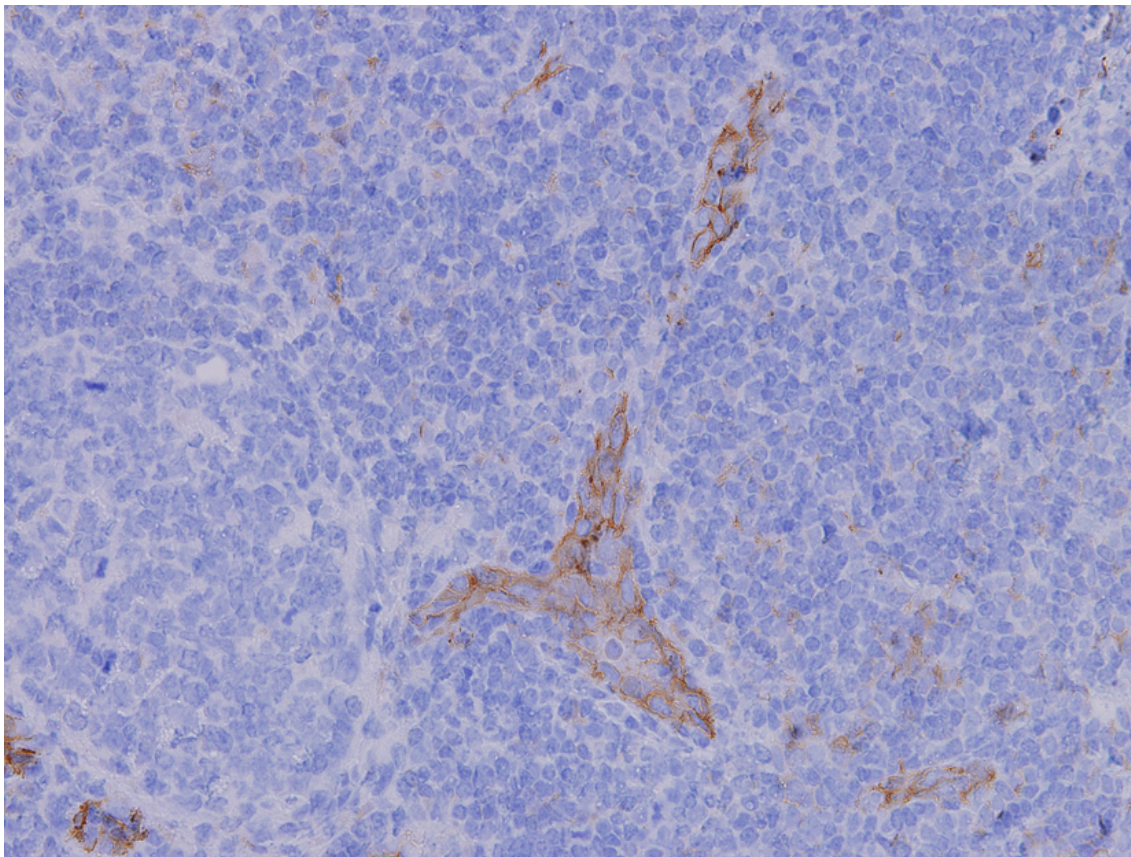
## APPLICATIONS

IHC Techniques	Clone	Dilution	Antibody concentration	Antigen retrieval method	Visualization kit	Positive control	Negative control	Protein localization	Positivity in other species
Frozen tissue and cytopspins									
Paraffin tissue									
	JC70	neat	supernatant	Tris EDTA	Dako Envision	Tonsil			
Immunofluorescence									



### JC70 Tonsil

Tonsil stained with neat supernatant from JC70 hybridoma, detection using Dako Envision kit, 10x power image



### JC70 Tonsil

Tonsil stained with neat supernatant from JC70 hybridoma, detection using Dako Envision kit, 20x power image