

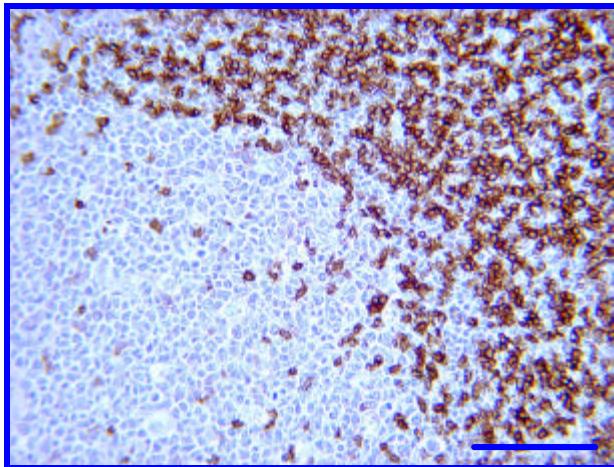


CD45RO (UCHL1), IHC-Paraffin Staining Report

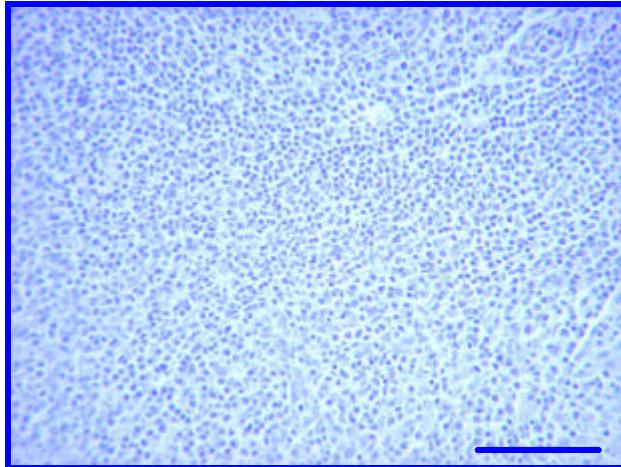
Target Antigen:	Human CD45RO antigen
Catalog or ID #:	IHC2082
Host and Isotype:	Mouse IgG2a, Kappa.
Clone	UCHL1
Purity and Method:	Protein "A" Affinity Chromatography
Concentration and Quantity:	Prediluted
Storage Conditions:	2-4.0°C refrigerated
Species Reactivity:	Labels most thymocytes, a subpopulation of resting T cells within both the CD4 and CD8 subsets, and mature active T cells. Cells of myelomonocytic series are also UCHL1-immunoreactive.
IHC-Paraffin Fixation Tested:	10% neutral Buffered Formalin
IHC-Paraffin Titer:	N/A
IHC-Paraffin Pretreatment(s):	Heat Induced Epitope Retrieval (HIER). Recommend No Epitope retrieval or TE Buffer, pH 9.0. Diffusive background is increased with Citrate Buffer, pH 6.0 and EDTA, pH 8.0
IHC-Paraffin Protocol:	IHC-Select, HRP-DAB (Brief Outline): Blocking Reagent for 5 min. Primary Antibody (or Negative Control Reagent) for 10 min. Biotinylated Secondary Antibody for 10 min. Streptavidin-HRP for 10 min. DAB for 10 min. Hematoxylin for 1 min.
Positive Tissue(s):	Tonsil and lymph node. Reactive lymph nodes exhibit immunoreactivity primarily in the paracortex and absence of labeling in germinal center.
Subcellular Location(s):	Plasma Membrane staining
Negative Tissue(s):	Non-lymphatic tissue
Comments and References:	Staining is as expected since it is plasma membrane-expressed on the vast majority of cells on the Mantle Zone with a low density in the Germinal Center. No signal is detected on mature erythroid cells and vascular endothelial cells.

IHC – Paraffin Staining Examples:

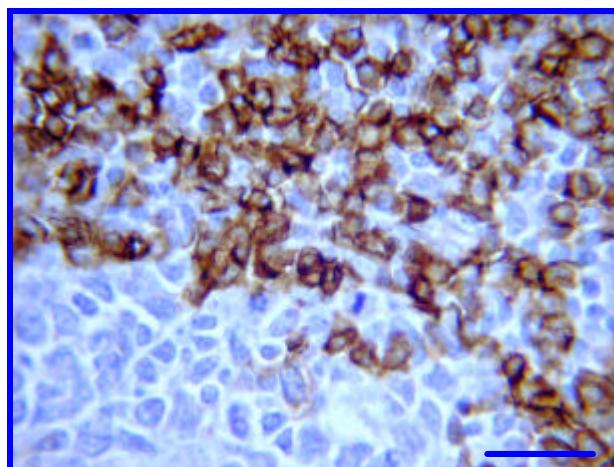
Pictures of Optimal Staining Without Epitope Retrieval: Tonsil



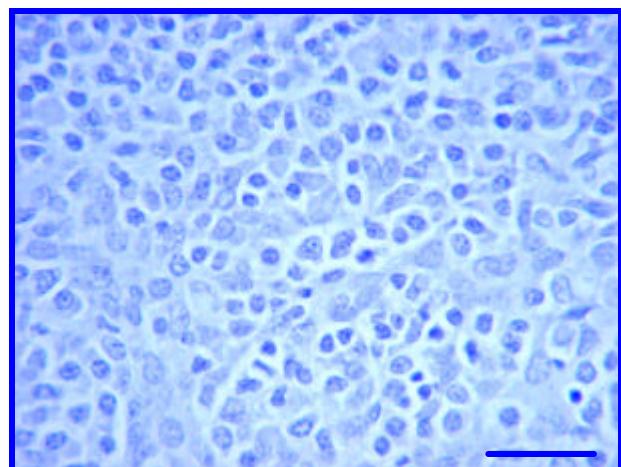
CD45 (IHC2082, Clone: UCHL1) staining of Human Tonsil. Tissue pretreated without Epitope retrieval. Prediluted antibody, IHC-Select Detection with HRP-DAB. Lymphocytes in the Mantle Zone stained strongly (brown). Bar = 100µm.



Negative Control staining of Human Tonsil. Tissue pretreated with Citrate Buffer, pH 6.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 100µm.



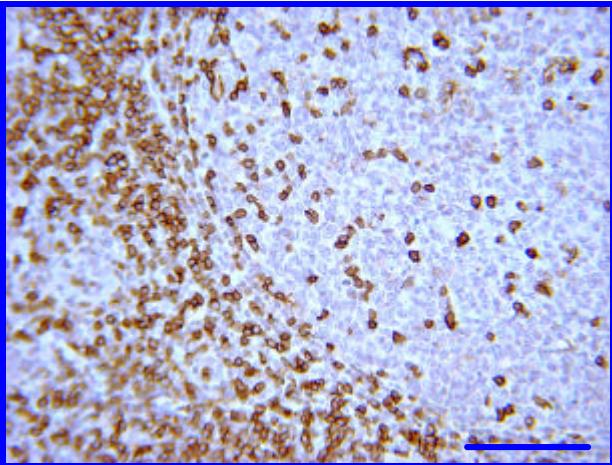
CD45 (IHC2082, Clone: UCHL1) staining of Human Tonsil. Tissue pretreated without Epitope retrieval. Prediluted antibody, IHC-Select Detection with HRP-DAB. Lymphocytes in the Mantle Zone stained strongly (brown). Bar = 25µm.



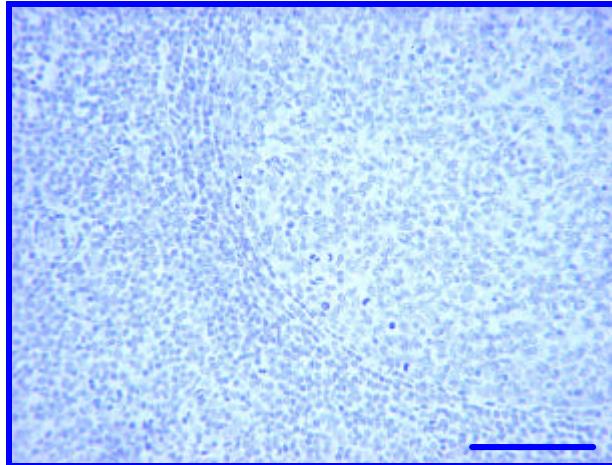
Negative Control staining of Human Tonsil. Tissue pretreated with Citrate Buffer, pH 6.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25µm.

IHC – Paraffin Staining Examples:

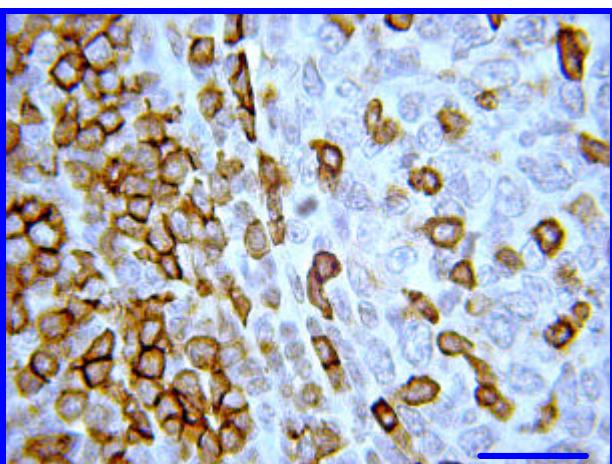
Pictures of Optimal Staining With TE Buffer Epitope Retrieval: Tonsil



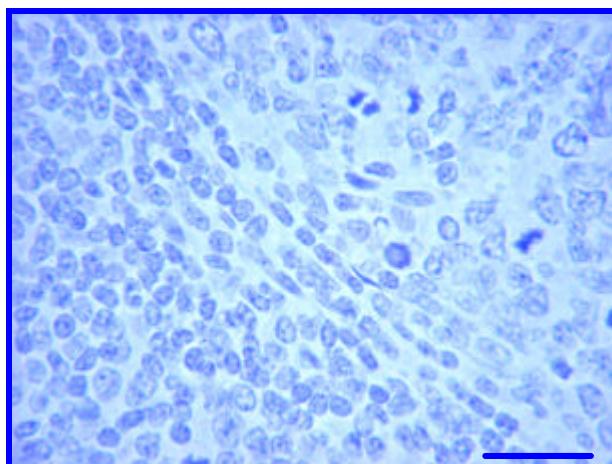
CD45 (IHC2082, Clone: UCHL1) staining of Human Tonsil. Tissue pretreated with TE Buffer, pH 9.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Lymphocytes in the Mantle Zone stained strongly (brown). Bar = 100 μ m.



Negative Control staining of Human Tonsil. Tissue pretreated with TE Buffer, pH 9.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 100 μ m.



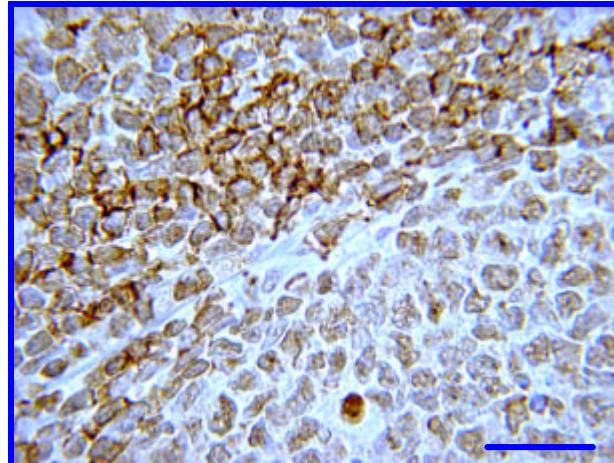
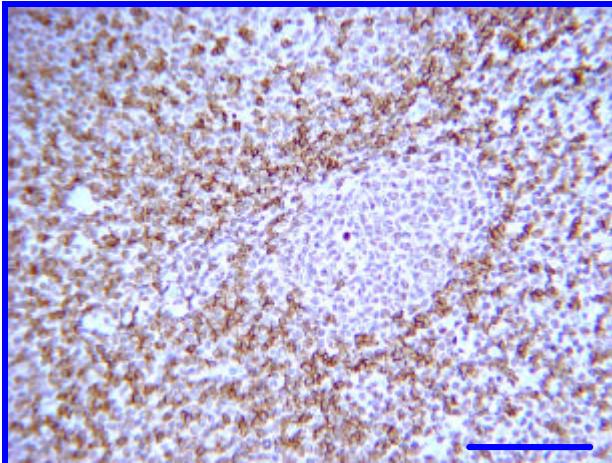
CD45 (IHC2082, Clone: UCHL1) staining of Human Tonsil. Tissue pretreated with TE Buffer, pH 9.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Lymphocytes in the Mantle Zone stained strongly (brown). Bar = 25 μ m.



Negative Control staining of Human Tonsil. Tissue pretreated with TE Buffer, pH 9.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25 μ m.

IHC – Paraffin Staining Examples:

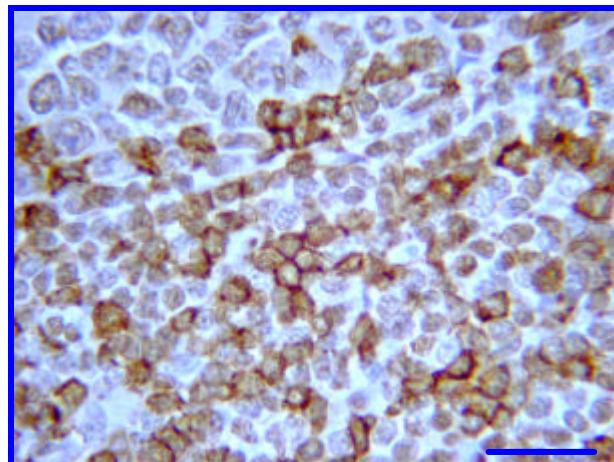
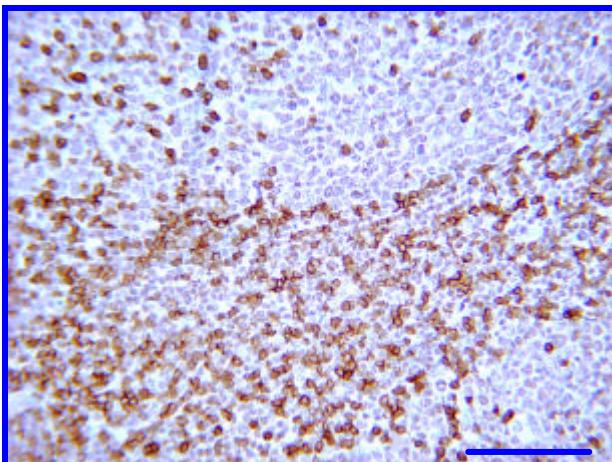
Pictures of Over Staining With Citrate Buffer Epitope Retrieval: Tonsil



CD45 (IHC2082, Clone: UCHL1) staining of Human Tonsil. Tissue pretreated with Citrate Buffer, pH 6.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Lymphocytes in the Mantle Zone stained strongly (brown) with diffusive background. Bar = 100 μ m.

CD45 (IHC2082, Clone: UCHL1) staining of Human Tonsil. Tissue pretreated with Citrate Buffer, pH 6.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Lymphocytes in the Mantle Zone stained strongly (brown) with diffusive background. Bar = 25 μ m.

Pictures of Over Staining With EDTA Epitope Retrieval: Tonsil



CD45 (IHC2082, Clone: UCHL1) staining of Human Tonsil. Tissue pretreated with EDTA, pH 8.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Lymphocytes in the Mantle Zone stained strongly (brown) with diffusive background. Bar = 100 μ m.

CD45 (IHC2082, Clone: UCHL1) staining of Human Tonsil. Tissue pretreated with EDTA, pH 8.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Lymphocytes in the Mantle Zone stained strongly (brown) with diffusive background. Bar = 25 μ m.