

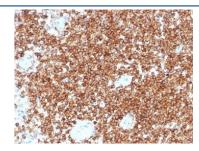
# CD45RA Antibody [clone PTPRC/4367R] (V4759)

Catalog No.	Formulation	Size
V4759-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4759-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4759SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

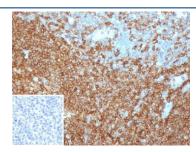
### Recombinant RABBIT MONOCLONAL

## **Bulk quote request**

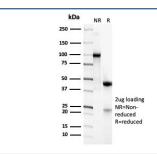
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	PTPRC/4367R
Purity	Protein A/G affinity
UniProt	P08575
Localization	Cell surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This CD45RA antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with CD45RA antibody (clone PTPRC/4367R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil tissue with CD45RA antibody (clone PTPRC/4367R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CD45RA antibody (clone PTPRC/4367R) as confirmation of integrity and purity.

#### **Description**

CD45 is a family of single chain transmembrane glycoproteins, consisting of at least four isoforms which share a common large intracellular domain. Their extracellular domains are rod shaped, heavily glycosylated. The different isoforms are produced by alternative messenger RNA splicing of three exons of a single gene on chromosome 1q31-32.CD45 is exclusively expressed in haematolymphoid cells. Almost all haematolymphoid cells, including precursor cells and mature B- and T-lymphocytes, granulocytes, monocytes/histiocytes and interdigitating reticulum cells and follicular dendritic cells express CD45. This protein is detected in the large majority of haematolymphoid neoplasms, i.e., leukemias and malignant lymphomas. Overall, about 90% of malignant lymphomas are CD45 positive.CD45 is an important marker in the primary tumor screening panel in order to identify haematolymphoid differentiation. Loss of CD45 in precursor B-cell neoplasms is a negative prognostic parameter.

### **Application Notes**

Optimal dilution of the CD45RA antibody should be determined by the researcher.

#### **Immunogen**

A recombinant partial protein sequence (within amino acids 1-600) from the human protein was used as the immunogen for the CD45RA antibody.

#### **Storage**

Aliquot the CD45RA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.