

# Product Datasheet

## **CD45RO Antibody** **NBP2-33104-0.2mg**

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-33104-0.2mg**

CD45RO Antibody (UCHL-1) [Azide Free]

<b>Product Information</b>	
<b>Unit Size</b>	0.2 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	UCHL-1
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Conjugate</b>	Azide Free
<b>Purity</b>	Protein G purified
<b>Buffer</b>	10mM PBS. Does not contain BSA.
<b>Target Molecular Weight</b>	182 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	5788
<b>Gene Symbol</b>	PTPRC
<b>Species</b>	Human, Primate
<b>Specificity/Sensitivity</b>	Recognizes a 180-185kDa protein, identified as isoform of leukocyte common antigen (CD45RO) (4th Leucocyte Typing Workshop: Code No. N31). The epitope recognized by this antibody is sensitive to neuraminidase digestion. This antibody reacts with mature activated T-cells, most thymocytes, and a sub-population of resting T-cells within both CD4 and CD8 subsets. It shows no reactivity with normal B or natural killer cells, but reacts with granulocytes and monocytes. Reportedly, it is useful to identify T-cell lymphomas and leukemias. It rarely stains NK cells or B-cell lymphomas.
<b>Immunogen</b>	Interleukin-2-dependent human T lymphocytes were used as the immunogen for the CD45RO antibody.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Immunocytochemistry/Immunofluorescence 0.5-1ug/ml, Western Blot 0.5-1.0ug/ml, Immunoprecipitation 0.5-1ug/500ug protein lysate, Immunohistochemistry-Frozen 0.5-1.0ug/ml, Immunohistochemistry-Paraffin 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells, ELISA 1-5ug/ml for coating
<b>Application Notes</b>	Although not required, staining of formalin/paraffin tissues is enhanced by boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min. Immunohistochemistry-Frozen application reported in literature.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

**For more information on our guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee).**

