

## Product datasheet for **AM10066SU-N**

### CD45 (PTPRC) (CD45RB) Mouse Monoclonal Antibody [Clone ID: 2B11 + PD7/26]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2B11 + PD7/26
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on Formalin-Fixed, Paraffin-Embedded Sections:</b> 1/100-1/200 Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. Use Polymer anti Mouse/Rabbit IgG as a detection system. <i>Positive Control:</i> Tonsil or lymph node.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	PD7/26/16: Human peripheral blood lymphocytes maintained in T cell growth factor. 2B11: Isolated neoplastic cells from T cell lymphoma.
Specificity:	Recognizes CD45/RB (LCA). Cellular Localization: Cell membrane.
Formulation:	State: Supernatant State: Tissue Culture Supernatant Stabilizer: 0.2% BSA Preservative: 15mM Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein tyrosine phosphatase, receptor type C
Database Link:	<a href="#">Entrez Gene 9332 Human</a> <a href="#">Entrez Gene 5788 Human</a> <a href="#">P08575</a>



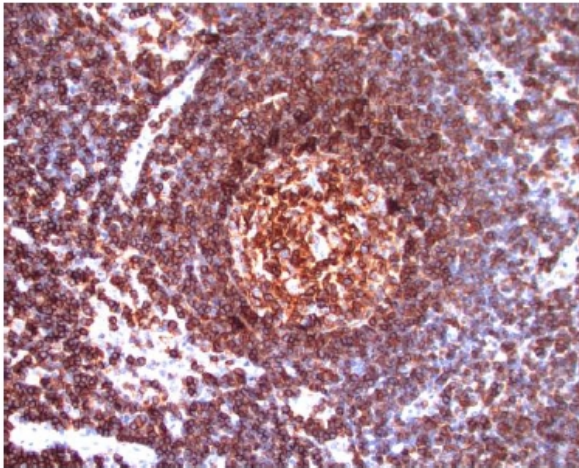
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**Background:** CD45 leukocyte common antigen (LCA) belongs to the family of at least four isoforms of membrane glycoproteins (220, 205, 190, 180kDa) expressed on hematopoietic cell lines but absent on non-hematopoietic cell lines, normal and malignant non-hematopoietic tissues. The intracellular portion of these molecules have protein phosphatase activity and are involved in regulation of transmembrane signals. Antibody to CD45 is useful in differential identification of lymphoid tumors from non-hematopoietic undifferentiated neoplasms.

**Synonyms:** PTPRC, Leukocyte common antigen, L-CA, T200

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**Product images:**



Formalin-Fixed, Paraffin-Embedded Human lymph node stained with CD45 antibody Cat.-No. AM10066SU-N using peroxidase conjugate and DAB chromogen. Note cell membrane staining of B- and T-lymphocytes.