

## Product datasheet for **TA354279**

### CD45 (PTPRC) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	WB 0.1-1 µg/ml ELISA N/A IP N/A IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein encoding aa 1119-1304 of human CD45.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	220, 205, 190, 180 kDa
Gene Name:	protein tyrosine phosphatase, receptor type C
Database Link:	<a href="#">NP_001254727</a> <a href="#">Entrez Gene 5788 Human</a> <a href="#">P08575</a>
Background:	CD45 leucocyte 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. CD45 is a transmembrane tyrosine phosphatase which can exist in at least nine different isoforms resulting from tissue-specific alternative RNA splicing of exons 4-7 of a single gene coding for the various N-terminal peptide segments. The intracellular portion of these molecules has protein phosphatase activity and is involved in regulation of transmembrane signals. CD45 plays an essential role in lymphocyte activation.
Synonyms:	B220; CD45; CD45R; GP180; L-CA; LCA; LY5; T200
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Phosphatase, Transmembrane



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**Protein Pathways:** Cell adhesion molecules (CAMs), Fc gamma R-mediated phagocytosis, Primary immunodeficiency, T cell receptor signaling pathway