

# Recombinant Mouse CD45/PTPRC Protein

RPES0551

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES0551

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 100µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** Subject to label value.

**Species:** Mouse

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** B220, CD45R, Cd45, L-CA, Ly-5, Lyt-4, T200, loc

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** None

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.

**Expression Host:** Baculovirus-Insect Cells

**Bio-Activity:** 1. The specific activity was determined to be 9168 nmol/min/mg using p-nitrophenyl phosphate as substrate. 2. Immobilized mouse PTPRC (453-1152) at 10 µg/ml (100 µl/well) can bind biotinylated human Galectin-1 with a linear range of 0.31-2.5 µg/ml.

**Calculated MW:** 81.0 kDa

**Formulation:** Supplied as sterile solution of 20mM Tris, 500mM NaCl, 10% glycerol, 3mM DTT, pH 7.4

**Observed MW:** 93 kDa

**Reconstitution:** -

**Accession:** AAA39458.1

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Source:** Baculovirus-Insect Cells-derived  
Mouse CD45/PTPRC protein Arg453-  
Ser1152

**Sequence:** Arg453-Ser1152

**Form:** Liquid

**Notes:** Centrifuge before opening to ensure complete  
recovery of vial contents.