

Catalog #: 5048

Aliases

PTPRC; Protein Tyrosine Phosphatase Receptor Type C; T200; GP180; CD45; LCA; Receptor-Type Tyrosine-Protein Phosphatase C; Glycoprotein 180; CD45 Antigen; CD45R; B220; L-CA; LY5; Protein Tyrosine Phosphatase, Receptor Type, C Polypeptide; T200 Leukocyte Common Antigen; Leukocyte-Common Antigen; Leukocyte Common Antigen; T200 Glycoprotein; EC 3.1.3.48; IMD105

Background

Gene Name: PTPRC

NCBI Gene Entry: [5788](#)

UniProt Entry: [P08575](#)

Application Information

Molecular Weight: Predicted, 147 kDa; observed, 180-240 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 24GB14030

Species Reactivity: Human

Applications Tested: Western blotting (WB), immunohistochemistry (IHC)

Immunogen

Recombinant protein of human PTPRC

Isotype

Mouse IgG1

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:2,000-1:10,000

Immunohistochemistry (IHC): 1:50-1:100

SUPPORT

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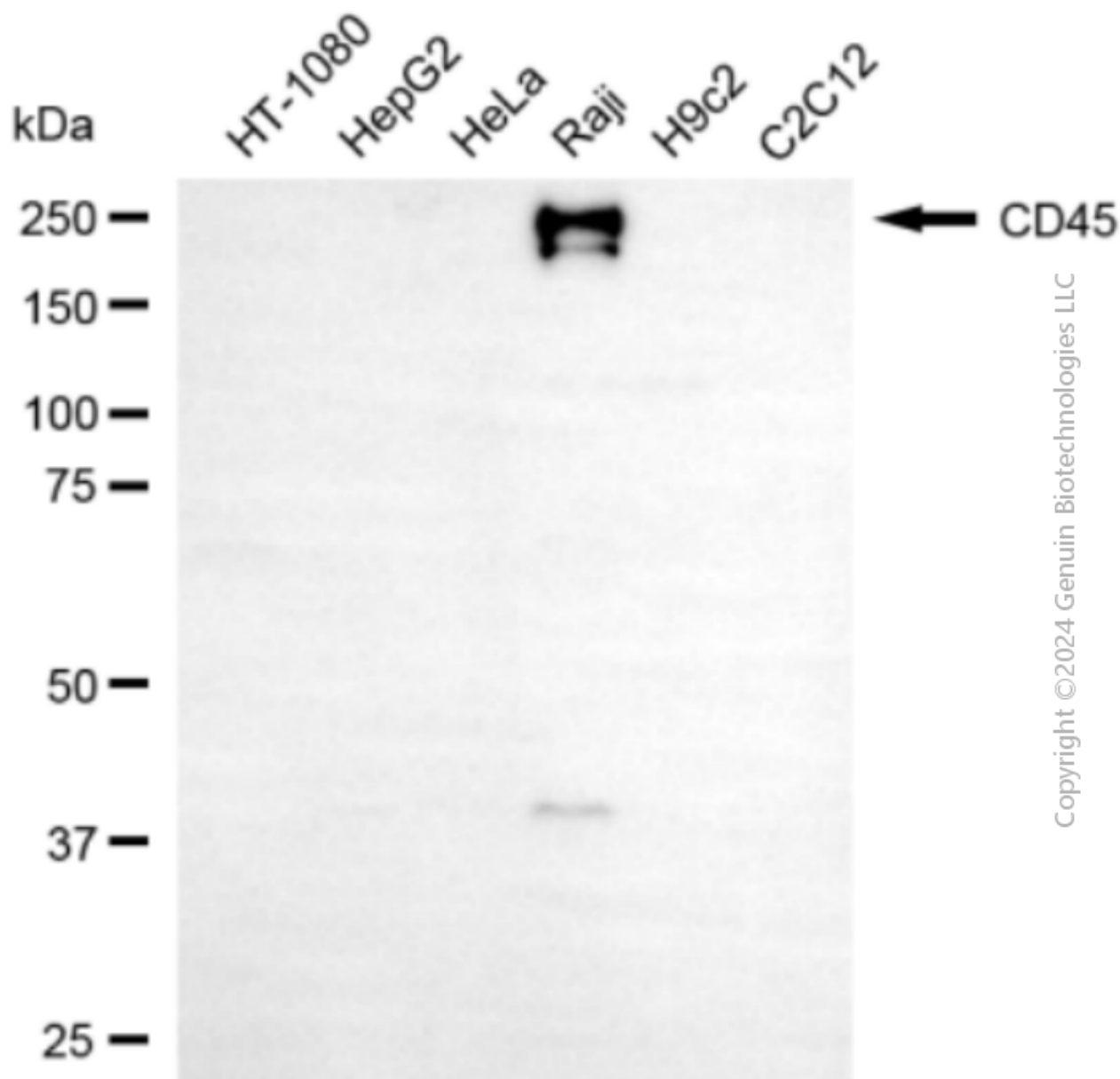
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Note: This product is for research use only.

Validation Data



Western blotting analysis using anti-CD45 antibody (Cat#5048). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD45 antibody (Cat#5048, 1:10,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

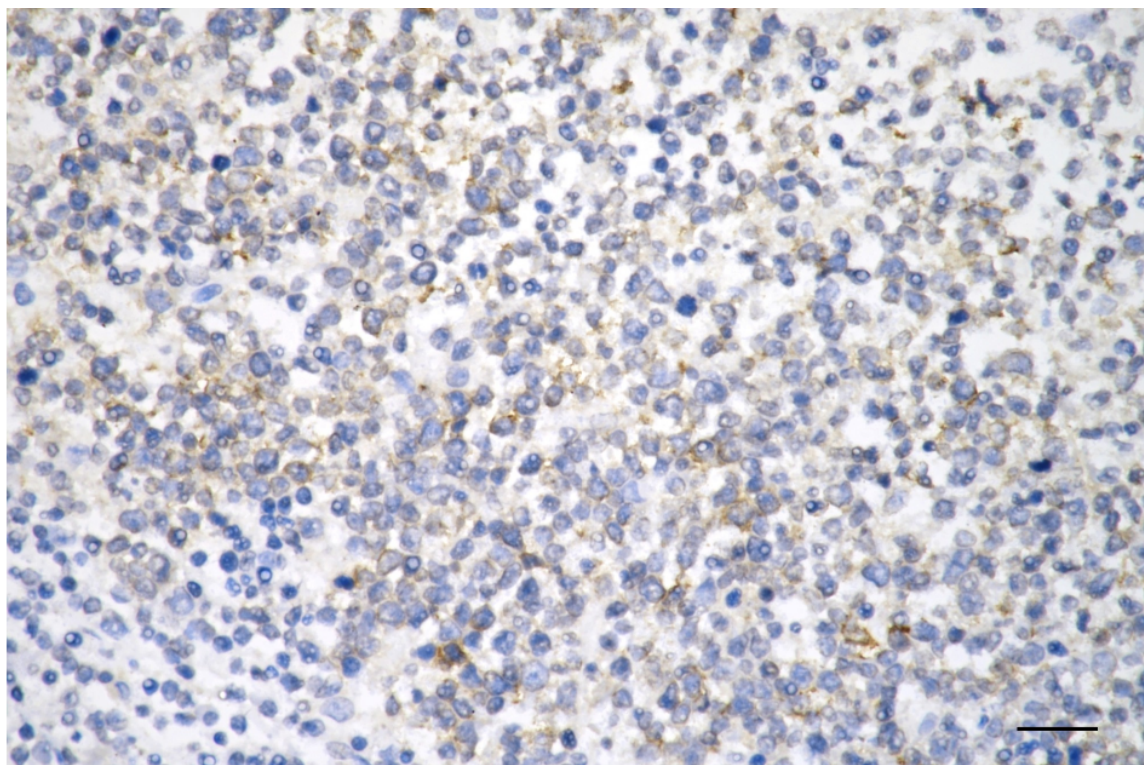
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Immunohistochemistry was performed on paraffin-embedded human tonsillitis using anti-PTPRC antibody (Cat#5048, 1:100). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μ m.

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