

## Catalog #: 52019

## Aliases

CD45; Receptor-type tyrosine-protein phosphatase C; Leukocyte common antigen; L-CA; T200; CD45

## Background

Gene Name: PTPRC

NCBI Gene Entry: [5788](#)

UniProt Entry: [P08575](#)

## Application Information

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

Clonality: Rabbit polyclonal antibody

Species Reactivity: Human, mouse

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

## Immunogen

A synthesized peptide derived from human CD45

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:500-1:1,000

Immunohistochemistry (IHC): 1:50-1:200

Immunocytochemistry (IC): 1:100-1:500

**Note:** This product is for research use only.

## Validation Data

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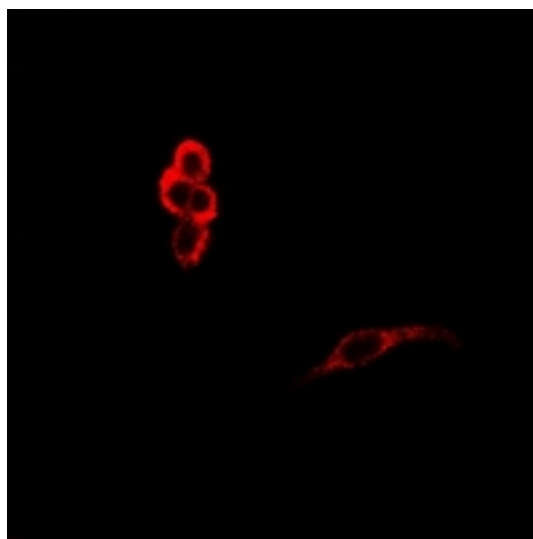
### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

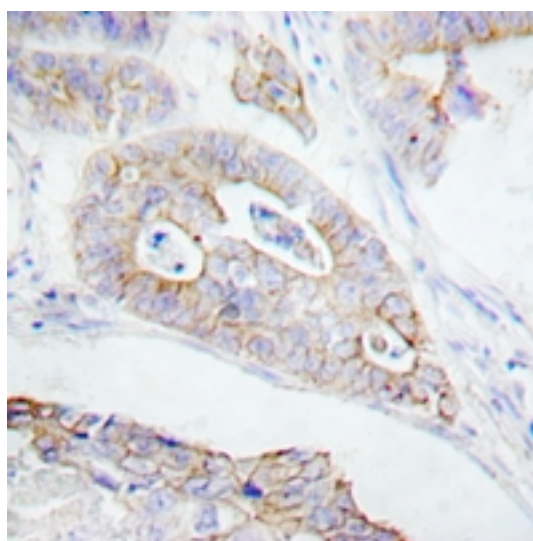
### ORDERS

SALES@GENUINBIOTECH.COM  
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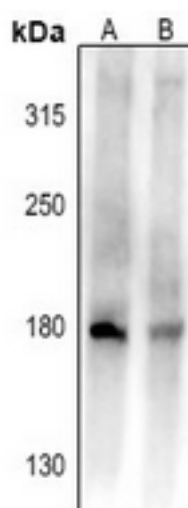
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Immunocytochemical analysis of CD45 staining in HuvEc cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Immunohistochemical analysis of CD45 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western blotting analysis of CD45 expression in K562 (A), SHSY5Y (B) whole cell lysates.