

## Anti-PTPRC antibody (194-1306) (STJ25235)

### GENERAL INFORMATION

|               |                       |
|---------------|-----------------------|
| Product Type  | Primary antibodies    |
| Applications  | WB/IHC-P/IF/ICC/ELISA |
| Host / Source | Rabbit                |
| Reactivity    | Human/Mouse/Rat       |

### PRODUCT PROPERTIES

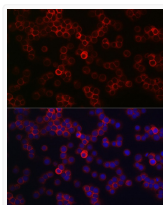
|                     |                                                                                                                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Polyclonal                                                                                                                                                                                    |
| Concentration       | Lot specific                                                                                                                                                                                  |
| Conjugation         | Unconjugated                                                                                                                                                                                  |
| Purification        | Affinity purification                                                                                                                                                                         |
| Dilution Range      | WB:1:500-1:1000<br>IHC-P:1:50-1:200<br>IF/ICC:1:50-1:200<br>ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation         | PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.                                                                                                                                            |
| Isotype             | IgG                                                                                                                                                                                           |
| Molecular Weight    | Protein Mw: 147kDa<br>Observed Mw: 180-240kDa                                                                                                                                                 |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                                                |

### TARGET INFORMATION

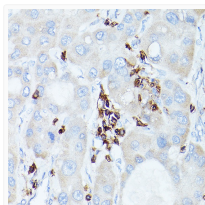
|                    |                                                                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">5788</a>                                                                                                                                                                                                    |
| Gene Symbol        | <a href="#">PTPRC</a>                                                                                                                                                                                                   |
| UniProt ID         | <a href="#">PTPRC_HUMAN</a>                                                                                                                                                                                             |
| Immunogen Region   | 194-1306                                                                                                                                                                                                                |
| Immunogen Sequence | SDAYLNASETTTLSPSGSAV ISTTTIATTPSKPTCDEKYA NITVDYLYNKETKLFATKLN<br>VNENVECGNNTCTNNEVHNL TECKNASVSISHNSCTAPDK TLILDVPPGVEKFQLHDCQT<br>VEKADTTICLKWKNIETFTC DTQNITYRFQCGNMIFDNKE IKLENLEPEHEYKCDSEILY<br>NNHKFTNASKIIKTDFG |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 194-390 of human CD45 (NP_002829.3).                                                                                                      |

### ADDITIONAL INFORMATION

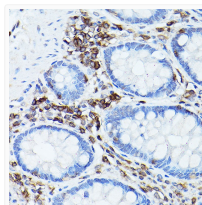
|      |                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------|
| Note | STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS. |
|------|-------------------------------------------------------------------------------------------------------------------------|



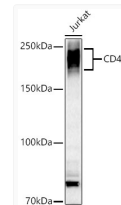
Immunofluorescence analysis of Jurkat cells using CD45 Rabbit polyclonal antibody (STJ25235) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of CD45 in paraffin-embedded human liver cancer using CD45 Rabbit polyclonal antibody (STJ25235) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of CD45 in paraffin-embedded human colon using CD45 Rabbit polyclonal antibody (STJ25235) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of lysates from Jurkat cells, using CD45 Rabbit polyclonal antibody (STJ25235) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.