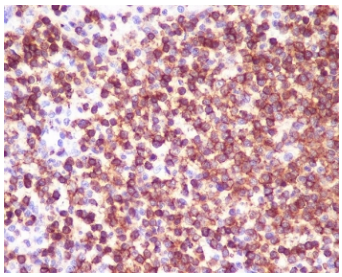
# CD45 Antibody [clone CBI-16] (RQ5242)

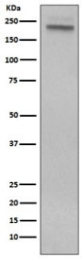
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5242 | Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA | 100 ul |

**Bulk quote request**

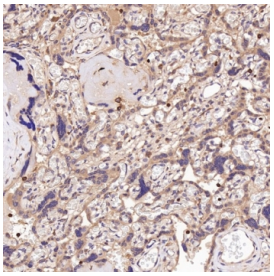
| | |
|---|---|
| **Availability** | 1-2 weeks |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Rabbit Monoclonal |
| **Isotype** | Rabbit IgG |
| **Clone Name** | CBI-16 |
| **Purity** | Affinity purified |
| **UniProt** | P08575 |
| **Applications** | Western Blot : 1:1000-1:2000<br>Immunohistochemistry (FFPE) : 1:50-1:200 |
| **Limitations** | This CD45 antibody is available for research use only. |



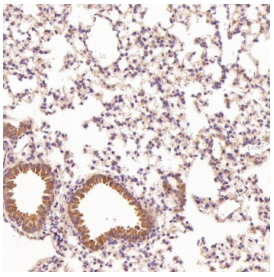
IHC staining of FFPE human spleen tissue with CD45 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



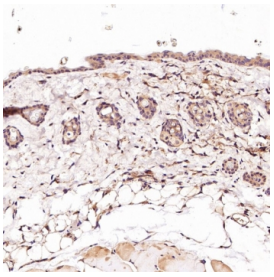

Western blot testing of human Jurkat cell lysate with CD45 antibody. Expected molecular weight: 147-220 kDa depending on glycosylation level.



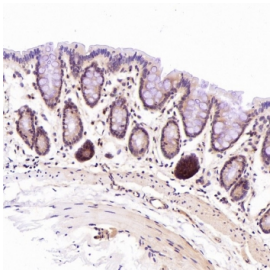
IHC staining of FFPE human placenta tissue with CD45 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE mouse lung tissue with CD45 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE mouse skin tissue with CD45 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE rat stomach tissue with CD45 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

## Description

CD45 is a protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. [UniProt]

CD45 is encoded by PTPRC and functions as a key regulator of leukocyte signaling and hematopoietic cell biology; additional reagents targeting this protein are available on the CD45 Antibody page.

## Application Notes

Optimal dilution of the CD45 antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to human CD45 / PTPRC was used as the immunogen for the CD45 antibody.

## Storage

Store the CD45 antibody at -20oC.

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