

## CD45 Antibody

**CAB0372**

### Description

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This CD45 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB0372

**Contents:** 20  $\mu$ L, 100  $\mu$ L  
Bradford Reagent: 1 vial (2ml)

**Category:** Polyclonal Antibody

**Synonyms:** LCA, LY5, B220, CD45, L-CA, T200, CD45R, GP180, IMD105

**Clone:** -

**Applications:** **WB** **IF/ICC** **IP** **ELISA** **IF-P**

**Conjugation:** Unconjugated

**Reactivity:** Human, Mouse, Rat

### Antibody Data

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**Gene ID:** 5788

**Uniprot:** AB\_2757155

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 200-250kDa

**Calculated MW:** 147kDa

## Preparation & Storage

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**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** Jurkat

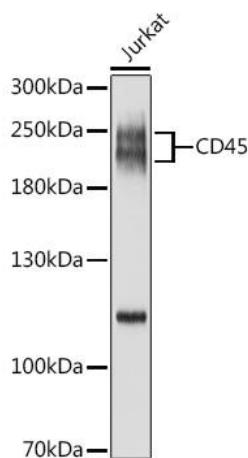
**Recommended Dilutions:**

<b>WB</b>	1:500 - 1:1000
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
<b>IF/ICC</b>	1:50 - 1:200
<b>IF-P</b>	1:50 - 1:200
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

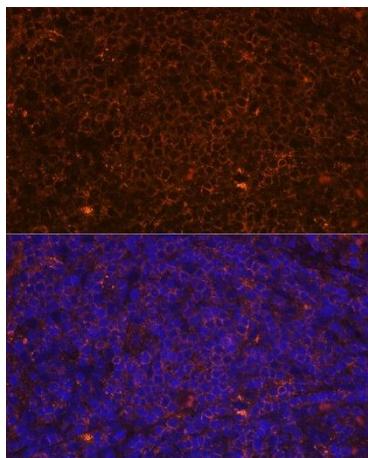
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

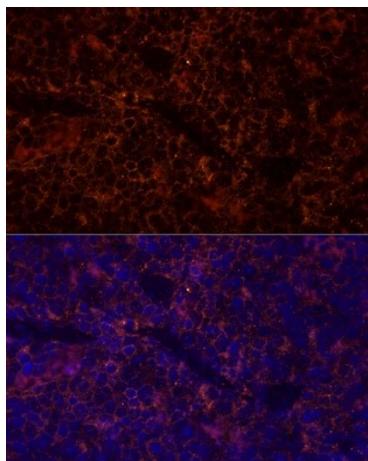
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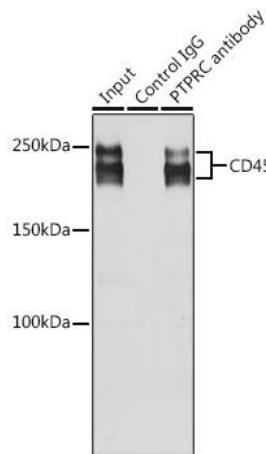
Western blot analysis of lysates from Jurkat cells, using Rabbit pAb (CAB0372) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Immunofluorescence analysis of paraffin-embedded rat spleen using Rabbit pAb (CAB0372) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells using 3 µg Rabbit pAb (CAB0372). Western blot was performed from the immunoprecipitate using Rabbit pAb (CAB0372) at a dilution of 1:1000.



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