

# Anti-CD-45 [C455.1F]

**Catalogue number:** 155248

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:**

**Institute:** Yale University

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-CD-45 [C455.1F]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Monoclonal antibody which binds to an epitope within exon C of CD45. Background and Research Application CD45RC, or PTPRC, is a protein tyrosine-protein phosphatase required for T cell activation through the antigen receptor. CD45 regulates Src-family kinases, integrin-mediated signal transduction pathways and can suppress JAK kinases, acting as a negative regulator of cytokine receptor signalling. Upon T cell activation, CD45RC recruits and dephosphorylates SKAP1 and FYN. Mutations of the g...

**Purpose:** Marker

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG2a kappa

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:** P06800

**Immunogen UNIPROT ID:** P06800

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** CD45

**Target alternate names:**

**Target background:** Monoclonal antibody which binds to an epitope within exon C of CD45.

Background and Research Application CD45RC, or PTPRC, is a protein tyrosine-protein phosphatase required for T cell activation through the antigen receptor. CD45 regulates Src-family kinases, integrin-mediated signal transduction pathways and can suppress JAK kinases, acting as a negative regulator of cytokine receptor signalling. Upon T cell activation, CD45RC recruits and dephosphorylates SKAP1 and FYN. Mutations of the ...

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** Store at -20° C frozen. Avoid repeated freeze / thaw cycles

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

**References**

**References:**

CancerTools.org