

Human CellExp™ CD45, human recombinant

CATALOG NO:	P1015-10 P1015-25	10 µg 25 µg
ALTERNATE NAMES:	LCA; LY5; B220; T200; CD45R; GP180; PTPRC	
SOURCE:	HEK 293 cells (aa 227-437)	
PURITY:	≥ 98% by SDS – PAGE	
MOL. WEIGHT:	The protein has a calculated MW of 65 kDa. The extracellular domain of human CD45 (aa 227-437) is fused to the N-terminus of the Fc region of mouse IgG2a.	
ENDOTOXIN LEVEL:	< 5 EU per 1mg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.2µm-filtered solution in PBS.	
STORAGE CONDITIONS:	Store at +4°C for short term (1-2 weeks). For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Reconstitute with 1X PBS to the desired protein concentration.	
DESCRIPTION:	Protein tyrosine phosphatase, receptor type C (CD45), also known as PTPRC is a member of the protein tyrosine phosphatase (PTP) family which is known for its function to serve as signaling molecules and to regulate a variety of cellular processes such as cell proliferation, differentiation, mitotic cycle and oncogenic transformation. CD45 is found expression specifically in hemotopietic cells. CD45 consists of an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains. It serves as an essential regulator of T-cell and B-cell antigen receptor signaling through either direct interaction with components of the antigen receptor complexes or by activating various Src family kinases required for the antigen receptor signaling and it also can suppress JAK kinases.	

RELATED PRODUCT:

- Human CellExp™ ICOSLG/B7-H2/CD275, human recombinant (**Cat. No. 7426-20**)
- Human Cellexp Human Recombinant IL-2 (**Cat. No. 6461-10, -50**)
- IL-2 Receptor α, Human Recombinant (**Cat. No. 7100-10, -50**)
- Human CellExp™ CD223, human recombinant (**Cat. No. 7278-10, -50**)
- Human CellExp™ CD71, human recombinant (**Cat. No. 7279-10, -50**)
- Human CellExp™ CD273, human recombinant (**Cat. No. 7369-10, -50**)
- Human CellExp™ CD33, human recombinant (**Cat. No. 7370-10, -50**)
- Human CellExp™ CD36, human recombinant (**Cat. No. 7371-10, -50**)
- Human CellExp™ CD87, human recombinant (**Cat. No. 7372-20, -100**)
- Human CellExp™ CD360, human recombinant (**Cat. No. 7373-20, -100**)
- Human CellExp™ CD244, human recombinant (**Cat. No. 7374-10, -50**)
- Human CellExp™ CD304, human recombinant (**Cat. No. 7375-10**)
- Human CellExp™ CD319, human recombinant (**Cat. No. 7376-10, -50**)
- Human CellExp™ CD306, human recombinant (**Cat. No. 7377-10, -50**)
- Human CellExp™ CD84, human recombinant (**Cat. No. 7378-10, -50**)

FOR RESEARCH USE ONLY! Not to be used on humans.

