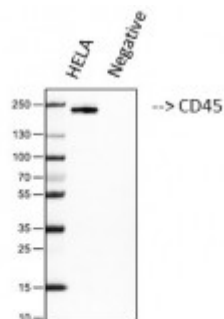


Anti-CD45 antibody



Western Blot (WB) analysis of HELA cells using CD45 Monoclonal Antibody (STJ96948)



Description

CD45 is a protein encoded by the PTPRC gene which is approximately 147,2 kDa. CD45 is localised to the cell membrane. It is involved in the activation of cAMP-dependent PKA, the innate immune system and dendritic cells developmental lineage pathway. It is a signalling molecule that regulates a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. It has been shown to be an essential regulator of T- and B-cell antigen receptor signalling. It functions through either interacting directly with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signalling. CD45 is expressed in the blood, liver, bone marrow, spleen and lymph node. Mutations in the PTPRC gene may result in plasmablastic lymphoma. STJ96948 was developed from clone 12A9 and was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. This primary antibody detects endogenous CD45 proteins.

Model	STJ96948
Host	Mouse
Reactivity	Human
Applications	WB
Immunogen	Synthetic Peptide
Gene ID	5788
Gene Symbol	PTPRC
Dilution range	WB 1:2000
Specificity	The antibody detects endogenous CD45 proteins.

Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Clone ID	12A9
Note	For Research Use Only (RUO).
Protein Name	Receptor-type tyrosine-protein phosphatase C Leukocyte common antigen L-CA T200 CD antigen CD45
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9666OMIM:126200
Alternative Names	Receptor-type tyrosine-protein phosphatase C Leukocyte common antigen L-CA T200 CD antigen CD45

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