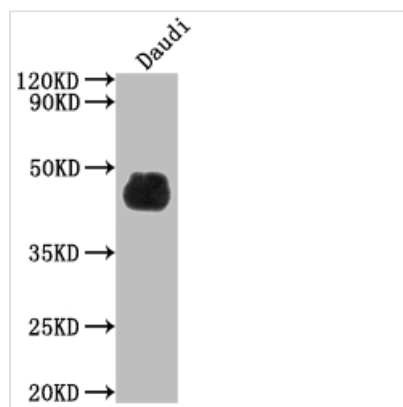




# CD48 Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA178195A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P09326
<b>Immunogen</b>	A synthesized peptide derived from human CD48
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB; Recommended dilution: WB:1:500-1:5000
<b>Relevance</b>	Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Immunology
<b>Gene Names</b>	CD48
<b>Clone No.</b>	7E1

## Image



### Western Blot

Positive WB detected in: Daudi whole cell lysate

All lanes: CD48 antibody at 1:2000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 28, 20 kDa

Observed band size: 45 kDa

## Description

CD48 is an adhesion and costimulatory molecule expressed constitutively on nearly all hematopoietic cells. Via interactions with its ligand CD2, CD48 contributes to synapse organization between T cells and APCs and can enhance TCR signaling. CD48 mediates interactions with T cells and NK cells



by binding to its higher affinity ligand CD244. Co-signaling molecule CD48/CD244 affects the onset of autoimmune diseases by regulating various functions of immune cells and by maintaining or altering the balance of immune responses. CD48 is involved in cell adhesion and costimulation, regulation of target cell lysis by cytolytic cells, as well as detection of microbes through its interaction with the bacterial component FimH.

Recombinant antibody-producing mammalian cell lines were generated by transfecting plasma vectors containing antibody light and heavy chains into mammalian cell lines cultivated in the medium. The recombinant antibody against CD48 was purified from the culture medium using Affinity-chromatography. It has been validated to detect CD48 protein from Human in the ELISA, WB.