CD48 (OX46): sc-53052



BACKGROUND

CD48 is a GPI-anchored glycoprotein that may act as a low affinity receptor for CD2. CD48 is expressed on all peripheral blood T, B and null cells, thymocytes, eosinophils, a portion of bone marrow cells and some epithelial cells. Rat CD48 is found on hematopoietic and endothelial cells, and mouse CD48 is found on thymocytes, lymph node cells, most macrophages and bone marrow cells. CD48 has been shown to be associated with the tyrosine kinase Lck.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Cd48 (mouse) mapping to 1 H3.

SOURCE

CD48 (OX46) is a mouse monoclonal antibody raised against T blasts from a mixed lymphocyte reaction of rat origin.

PRODUCT

Each vial contains 200 μg lgG_{2a} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

CD48 (OX46) is available conjugated to either phycoerythrin (sc-53052 PE) or fluorescein (sc-53052 FITC), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM.

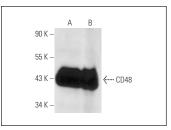
APPLICATIONS

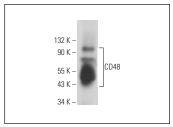
CD48 (OX46) is recommended for detection of CD48 glycoprotein on all heamatopoietic cells of mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 106 cells).

Molecular Weight of CD48: 43 kDa.

Positive Controls: PBL whole cell lysate.

DATA





CD48 (OX46): sc-53052. Western blot analysis of CD48 CD48 (OX46): sc-53052. Western blot analysis of CD48 expression in RBL-1 whole cell lysate under reducing (A) and non-reducing (B) conditions

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

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