

## Anti-CD48 Antibody (4L497)

### Product Details

Ig Type:	IgG1
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	4L497
Purification:	Protein G purified

### Applications

#### 1. Western Blot

-Positive WB detected in: Jurkat whole cell lysate, Raji whole cell lysate, Daudi whole cell lysate, Mouse liver tissue

-All lanes: CD48 antibody at 1:2000

-Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution

-Predicted band size: 28, 20 KDa

-Observed band size: 43 KDa

-Exposure time:5min

#### 2. Western Blot

-Positive WB detected in: 20µg Raji whole cell lysate

CD48 antibody at 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, 1:64000

-Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution

Verified Activity: -Predicted band size: 28, 20 KDa

-Observed band size: 43 KDa

-Exposure time:5min

3. Immunofluorescence staining of JK cells with TMAH-00208 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).

4. Overlay Peak curve showing JK cells stained with TMAH-00208 (red line) at 1:200. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1\*10<sup>6</sup>cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1\*10<sup>6</sup>cells) used under the same conditions. Acquisition of >10,000 events was performed.

Application: ELISA,FCM,IF,WB

### Properties

Purity: >95%

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein: Human CD48 Protein (27-220AA)  
Antigen Species: Human  
Gene ID: 962  
Uniprot ID: P09326  
Synonyms: BLAST;BLAST-1;CD48 molecule;mCD48;BLAST1;BCM1;SLAMF2;MEM-102;hCD48  
Biology Area: Immunology

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### Research Background

Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481