

**For Research Use Only.  
Not for use in diagnostic procedures.**



## Mouse IgG2b (isotype control)-ALP

<b>CODE No.</b>	M077-12
<b>CLONALITY</b>	Monoclonal
<b>CLONE</b>	3D12
<b>ISOTYPE</b>	Mouse IgG2b $\kappa$
<b>QUANTITY</b>	50 $\mu$ L
<b>SOURCE</b>	Purified IgG from hybridoma supernatant
<b>IMMUNOGEN</b>	KLH
<b>REACTIVITY</b>	No specific reaction was detected on Sandwich CLEIA.
<b>FORMULATION</b>	50 mM Tris-HCl, 100 mM NaCl, 1% BSA, 0.1% ProClin150 containing stabilizers.
<b>STORAGE</b>	This antibody solution is stable for one year from the date of purchase when stored at 4°C.

### **APPLICATION-CONFIRMED**

#### Sandwich CLEIA

This antibody can be used as a negative control.  
The concentration will depend on the conditions.

For more information, please visit our web site <http://ruo.mbl.co.jp/>



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## **RELATED PRODUCTS**

### Purified antibodies

M075-3 Mouse IgG1 (isotype control) (2E12)  
M075-4 Mouse IgG1 (isotype control)-FITC (2E12)  
M075-5 Mouse IgG1 (isotype control)-PE (2E12)  
M075-6 Mouse IgG1 (isotype control)-Biotin (2E12)  
M075-12 Mouse IgG1 (isotype control)-ALP (2E12)  
M075-A48 Mouse IgG1 (isotype control)-Alexa Fluor<sup>®</sup> 488 (2E12)  
M075-A64 Mouse IgG1 (isotype control)-Alexa Fluor<sup>®</sup> 647 (2E12)  
M075-8 Mouse IgG1 (isotype control)-Agarose (2E12)  
M076-3 Mouse IgG2a (isotype control) (6H3)  
M076-4 Mouse IgG2a (isotype control)-FITC (6H3)  
M076-5 Mouse IgG2a (isotype control)-PE (6H3)  
M076-6 Mouse IgG2a (isotype control)-Biotin (6H3)  
M076-12 Mouse IgG2a (isotype control)-ALP (6H3)  
M076-A48 Mouse IgG2a (isotype control)-Alexa Fluor<sup>®</sup> 488 (6H3)  
M076-A64 Mouse IgG2a (isotype control)-Alexa Fluor<sup>®</sup> 647 (6H3)  
M077-3 Mouse IgG2b (isotype control) (3D12)  
M077-4 Mouse IgG2b (isotype control)-FITC (3D12)  
M077-5 Mouse IgG2b (isotype control)-PE (3D12)  
M077-6 Mouse IgG2b (isotype control)-Biotin (3D12)  
M077-12 Mouse IgG2b (isotype control)-ALP (3D12)  
M077-A48 Mouse IgG2b (isotype control)-Alexa Fluor<sup>®</sup> 488 (3D12)  
M077-A64 Mouse IgG2b (isotype control)-Alexa Fluor<sup>®</sup> 647 (3D12)  
M078-3 Mouse IgG3 (isotype control) (6A3)  
M078-4 Mouse IgG3 (isotype control)-FITC (6A3)  
M078-6 Mouse IgG3 (isotype control)-Biotin (6A3)  
M079-3 Mouse IgM (isotype control) (7E10)  
M080-3 Rat IgG1 (isotype control) (1H5)  
M080-4 Rat IgG1 (isotype control)-FITC (1H5)  
M080-5 Rat IgG1 (isotype control)-PE (1H5)  
M080-A48 Rat IgG1 (isotype control)-Alexa Fluor<sup>®</sup> 488 (1H5)  
M080-A64 Rat IgG1 (isotype control)-Alexa Fluor<sup>®</sup> 647 (1H5)  
M081-3 Rat IgG2a (isotype control) (2H3)  
M081-4 Rat IgG2a (isotype control)-FITC (2H3)  
M081-5 Rat IgG2a (isotype control)-PE (2H3)  
M081-A48 Rat IgG2a (isotype control)-Alexa Fluor<sup>®</sup> 488 (2H3)  
M081-A64 Rat IgG2a (isotype control)-Alexa Fluor<sup>®</sup> 647 (2H3)  
M081-8 Rat IgG2a (isotype control)-Agarose (2H3)  
M082-3 Rat IgG2c (isotype control) (6E12)  
M082-4 Rat IgG2c (isotype control)-FITC (6E12)  
M090-3 Rat IgG2b (isotype control) (3G8)  
M090-4 Rat IgG2b (isotype control)-FITC (3G8)  
M090-5 Rat IgG2b (isotype control)-PE (3G8)  
M090-A48 Rat IgG2b (isotype control)-Alexa Fluor<sup>®</sup> 488 (3G8)  
M090-A64 Rat IgG2b (isotype control)-Alexa Fluor<sup>®</sup> 647 (3G8)  
PM035 Normal Rabbit IgG (polyclonal)  
PM035-8 Normal Rabbit IgG-Agarose (polyclonal)  
PM067 Normal Guinea Pig IgG (polyclonal)  
M189-3 Syrian Hamster IgG (isotype control)  
M199-3 Armenian Hamster IgG (isotype control)  
PM084 Normal Chicken IgY (polyclonal)  
PM084-4 Normal Chicken IgY-FITC (polyclonal)  
PM089 Normal Sheep IgG (polyclonal)  
PM094 Normal Goat IgG (polyclonal)

M077-11 Mouse IgG2b (isotype control)-Magnetic Beads (3D12)  
M081-11 Rat IgG2a (isotype control)-Magnetic Beads (2H3)

### Functional grade antibodies

M075-3M2 Mouse IgG1 (isotype control) (2E12)  
M076-3M2 Mouse IgG2a (isotype control) (6H3)  
M077-3M2 Mouse IgG2b (isotype control) (3D12)  
M078-3M2 Mouse IgG3 (isotype control) (6A3)  
M079-3M2 Mouse IgM (isotype control) (7E10)  
M080-3M2 Rat IgG1 (isotype control) (1H5)  
M081-3M2 Rat IgG2a (isotype control) (2H3)  
M090-3M2 Rat IgG2b (isotype control) (3G8)

Other related antibodies and kits are also available.  
Please visit our website at <http://ruo.mbl.co.jp/>

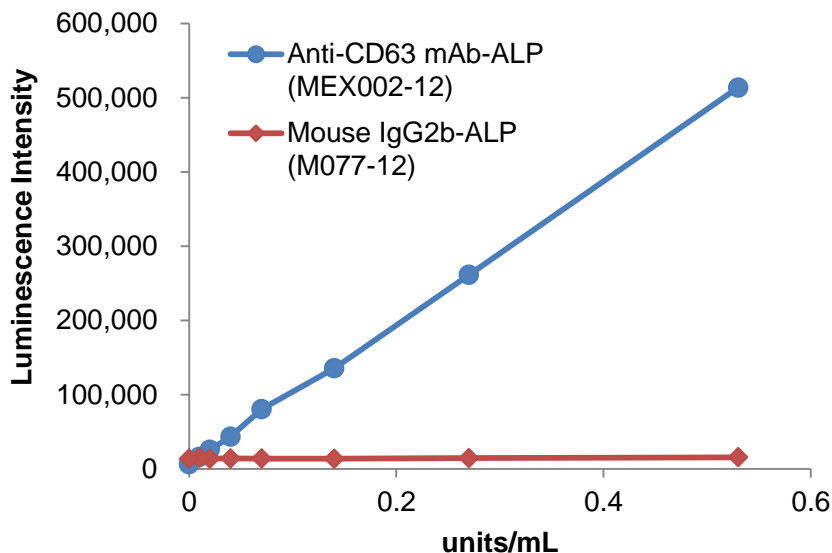
### Smart-IP series

3190 Magnetic Rack  
M075-11 Mouse IgG1 (isotype control)-Magnetic Beads (2E12)  
M076-11 Mouse IgG2a (isotype control)-Magnetic Beads (6H3)

### **Sandwich CLEIA**

- 1) Dilute the capture antibody solution to 5 µg/mL in 0.1 M bicarbonate buffer, pH 9.0.  
(The concentration of antibody will depend on the conditions.)
- 2) Coat the microplate-well with 50 µL of capture antibody solution, prepared in above step 1), rock the plate briefly but thoroughly and incubate overnight at 4°C.
- 3) Wash the plate 2 times with PBS.
- 4) Add 250 µL Blocking buffer [Tris-buffered saline (TBS) containing 1% BSA, pH 7.4] to decrease the binding of non-specific proteins. Incubate for 1 hr. at room temperature.
- 5) During step 4), prepare the analyte and/or standard/calibrator to be measured using Blocking buffer or ExoDiluent for Immunoassay (MBL; code no. MEX1001).
- 6) Wash the plate 3 times with PBS.
- 7) Add 50 µL of analyte and/or standard/calibrator prepared in above step 5) to each well, and rock the plate briefly but thoroughly. Incubate for 1 hr. at room temperature.
- 8) During step 7), prepare the detection antibody solution diluted with Reaction buffer [50 mM HEPES containing 1% BSA, 0.15% ProClin 150, 150 mM NaCl (pH 7.2)] at an appropriate concentration.  
(The concentration of antibody can be changed if desired because the suitable protocol depends on each detection system.)
- 9) Wash the plate 5 times with PBS.
- 10) Add 50 µL of detection antibody solution, prepared in above step 8), and rock the plate briefly but thoroughly. Incubate for 1 hr. at room temperature.
- 11) During step 10), prepare the next working solution (ALP substrate).
- 12) Wash the plate 3 times with PBS.
- 13) Wash the plate 2 times with TBS.
- 14) Add 50 µL of working solution (ALP substrate), prepared in above step 11), and rock the plate briefly but thoroughly.
- 15) Incubate for 30 min. at room temperature
- 16) Measure the chemiluminescence by using a microplate reader.

(Positive control for Sandwich CLEIA; HT29 cell culture supernatant)



### ***Sandwich CLEIA for measurement of human CD63***

Sample: HT29 cell culture supernatant

Capture Ab: Anti-CD9 mAb (MEX001-3)

Detection Ab: Anti-CD63 (LAMP-3) mAb-ALP (MEX002-12)

or Mouse IgG2b (isotype control)-ALP (M077-12), 1:2,000