Immunodetection

Materials

Monoclonal antibody

IgG antibody

Fluorescence microscope

Shaking incubator at 37℃

PBS

Microscope slide

BSA

Protocol

1、 Take out 1ml S.cerevisiae which have been induced by galatose in bechtop. Then harvest by centrifugation by 6000g for 5 min.

2、 Remove the supernatant and add 1×PBS to wash the thallus with centrifugation of 6000g, 5 min, for 3 times.

3、 Add optimum amount TBS containing 1% BSA to resuspend the thallus and adjust the OD_{600} to five.

4、 Add 1.2ul monoclonal antibody to 200ul of cell suspension and incubate the mix at 37℃ for 2h.

5、 Centrifuge the mix with 6000g for 5min and then wash the cell by 1×PBS for 3 times.\

6、 Wash the cell by 1×PBS containing 1% BSA for 1 time.

7、 Wash the cell by 1×PBS containing 1% BSA adding 1.2 ul Alexa Floor 488 which is an IgG antibody. Incubate the mix at 37℃ for 1h

8、 Wash the cell by 1×PBS for 3 times.

9、 Resuspend the cell using 1.5ml 1×PBS

10、 Take out 2ul cell suspension to put on microscope slide and then observe it by fluorescence microscope.