

## Catalog No. BMR 00343

Mouse monoclonal antibody

Anti-Human **BARD1**

### ■ Formulation

Mouse monoclonal anti-human **BARD1** antibody in PBS (3.0 mM KCl, 1.5 mM KH<sub>2</sub>PO<sub>4</sub>, 140 mM NaCl, 8.0 mM Na<sub>2</sub>HPO<sub>4</sub> (pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN<sub>3</sub>).

### ■ Antibody concentration

100 µg/ml (1.0 ml)

### ■ Storage

Store at 2-8°C for up to one year.  
We recommend storing at -20°C for long-term storage.  
Avoid repeat freezing and thawing cycles.

### ■ Preparation

This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.

### ■ Sterility

Filtered through a 0.22 µm membrane.

### ■ Applications

Please visit our website at <http://www.biomatrix.co.jp/>.

### ■ Disposal

This antibody solution contains sodium azide (NaN<sub>3</sub>) as a preservative. There is a potential hazard that NaN<sub>3</sub> reacts with copper or lead to produce an explosive compound. For safe disposal, the vial has to be washed thoroughly with water.

### ■ Safety warnings and precautions

Caution must be taken to avoid contact with skin or eyes. In such a case, rinse thoroughly at once with water. Do not ingest, inhale, or swallow. Seek medical attention immediately.

Wear appropriate protective clothing such as laboratory overalls, safety glasses and gloves.

It is strongly advised that this product should be handled by people who have been well trained in laboratory techniques and that it is handled with care pursuant to the principles of good laboratory practice.

All chemicals are deemed potentially harmful.

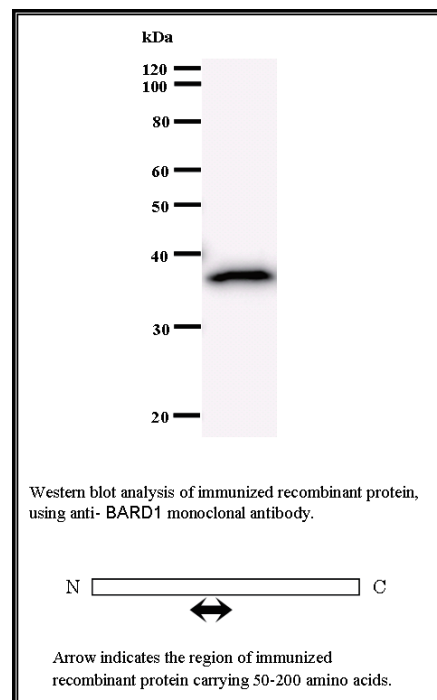
The vial is prone to fall over. Use caution, especially when the lid is off.

Lot No. **2059C4a-1**

Clone No. **2059C4a**

Antibody class : **IgG1**

Immunogen : **Recombinant**



FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC PROCEDURES.

manufactured by BMR

Catalog No. **BMR00343**

**Mouse monoclonal antibody      Anti-Human BARD1**

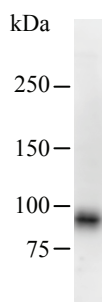
■ **Background**

BARD1 interacts with the N-terminal region of BRCA1. In addition to its ability to bind BRCA1 in vivo and in vitro, BARD1 shares homology with the 2 most conserved regions of BRCA1: the N-terminal RING motif and the C-terminal BRCT domain. The RING motif is a cysteine-rich sequence found in a variety of proteins that regulate cell growth, including the products of tumor suppressor genes and dominant protooncogenes. The BARD1 protein also contains 3 tandem ankyrin repeats. The BARD1/BRCA1 interaction is disrupted by tumorigenic amino acid substitutions in BRCA1, implying that the formation of a stable complex between these proteins may be an essential aspect of BRCA1 tumor suppression. BARD1 may be the target of oncogenic mutations in breast or ovarian cancer. [NCBI Entrez Gene Summary]

■ **Recommended condition**

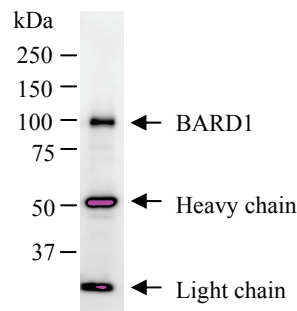
WB: 0.2-2 µg/ml    IP: 100-500 µg/sample

■ **Application**



Detection of human BARD1 by Western blot.  
Samples: Whole cell lysate (50 µg) from A2059 cells.  
[Lot No. 2059C4a-1]

Predicted molecular weight: 86 kDa



Immunoprecipitation: RIPA lysate of HeLa cells was incubated with anti-BARD1 mAb. [Lot No. 2059C4a-1]