

## Catalog No. BMR 00161

### Mouse monoclonal antibody **Anti-Human CBP**

#### ■ Formulation

Mouse monoclonal anti-human **CBP** 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/>.

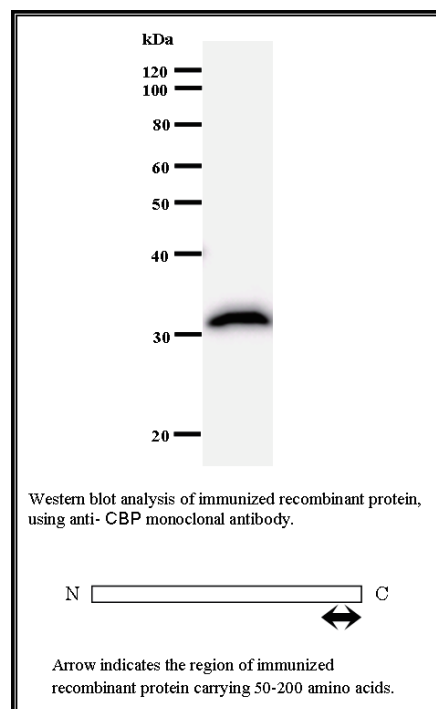
#### ■ Disposal

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. **CBP5I001-2**  
Clone No. **CBP5I001**  
Antibody class : **IgG1**  
Immunogen : **Recombinant**



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

manufactured by BMR

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**Mouse monoclonal antibody      Anti-Human CBP**

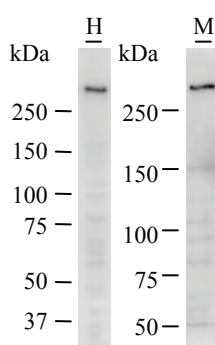
**■ Background**

Acetyltransferase enzyme. Acetylates histones, giving a specific tag for transcriptional activation. Also acetylates non-histone proteins, like NCOA3 coactivator. Mediates cAMP-gene regulation by binding specifically to phosphorylated CREB protein. CREBBP, as coactivator, augments the activity of phosphorylated CREB to activate transcription of cAMP-responsive genes. [UniProtKB Function]

**■ Recommended condition**

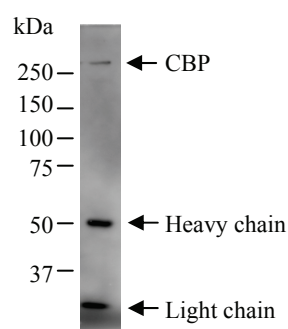
WB: 0.2-2 µg/ml    IP: 100-500 µg/sample    ICC: 2-100 µg/ml

**■ Application**

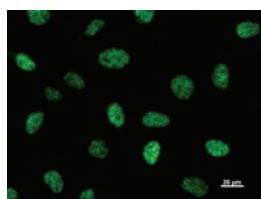


Detection of CBP by Western blot.  
 Samples: Whole cell lysate from human HeLa (H, 50 µg) and mouse NIH3T3 (M, 50 µg) cells. [Lot No. CBP5I001-1]

Predicted molecular weight: 265 kDa



Immunoprecipitation: RIPA lysate of HeLa cells was incubated with anti-CBP mAb. [Lot No. CBP5I001-1]



Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were immunostained with anti-CBP mAb. [Lot No. CBP5I001-1]