



COSMO BIO CO., LTD.
Inspiration for Life Science

Cosmo Bio Co., Ltd

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Catalog No. CBX00340

Mouse monoclonal antibody

Anti-Human **HOXB7**

■ Formulation

Mouse monoclonal anti-human **HOXB7** antibody in PBS (3.0 mM KCl, 1.5 mM KH₂PO₄, 140 mM NaCl, 8.0 mM Na₂HPO₄ (pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN₃).

■ Antibody concentration

100 µg/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

0.22 µm membrane

■ Applications

WB, Dot Blot

■ Disposal

This antibody solution contains sodium azide (NaN₃) as a preservative. There is a potential hazard that NaN₃ 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

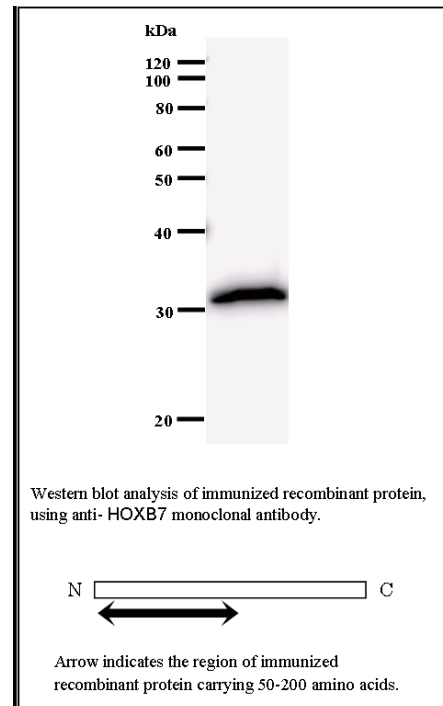
Caution must be taken to avoid contact with skin or eyes. In such a case, rinse thoroughly at once with water. Do not ingest, inhale, or swallow. Seek medical attention immediately.
Wear appropriate protective clothing such as laboratory overalls, safety glasses and gloves.
It is strongly advised that 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. **747C4a-1**

Clone No. **747C4a**

Antibody class : **IgG1**

Immunogen : **Recombinant**



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

manufactured by BMR



Catalog No. **CBX00340**

Mouse monoclonal antibody **Anti-Human HOXB7**

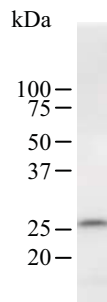
■ **Background**

This gene is a member of the Antp homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded nuclear protein functions as a sequence-specific transcription factor that is involved in cell proliferation and differentiation. Increased expression of this gene is associated with some cases of melanoma and ovarian carcinoma. [NCBI Entrez Gene Summary]

■ **Recommended condition**

WB: 0.2-2 µg/ml

■ **Application**



Detection of human HOXB7 by Western blot.
Samples: Whole cell lysate (50 µg) from A2058 cells.
[Lot No. 747C4a-1]

Predicted molecular weight: 25 kDa