

Rev03
Update: Dec,14,2021

DATASHEET

MBP-tag Antibody, mAb, Mouse

Cat. No.: A00190

Overview

Specificity	GenScript MBP-tag Antibody, mAb, Mouse specifically reacts with fusion proteins containing MBP epitope tags.
Host Species	Mouse
Immunogen	Purified recombinant MBP fusion protein
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature, and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

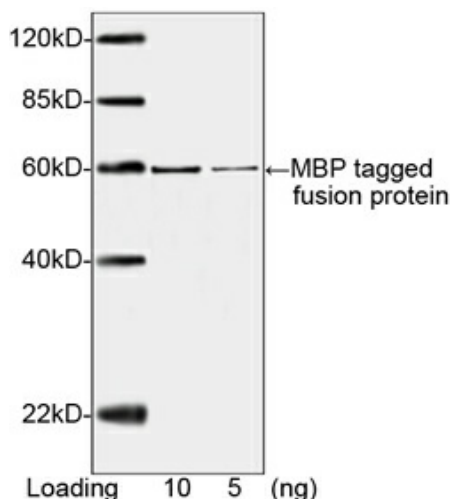
Application	Recommended Usage
ELISA	0.1-1.0 µg/ml
Western Blot	0.5-1 µg/ml

Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.
Storage Instructions	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.
Purification	Protein A affinity column
Isotype	Mouse IgG1

Clonality	Monoclonal
Clone Id	5B10B11

Examples



Western blot analysis of MBP-tagged fusion protein using MBP-tag Antibody, mAb, Mouse (GenScript, A00190, 1 µg/ml). The signal was developed with IRDye™ 800 Conjugated Goat Anti-Mouse IgG.
 Predicted Size: 58 kD
 Observed Size: 58 kD

Background

Target Background : Maltose binding protein (MBP) is a useful affinity tag that can increase the expression level and solubility of the MBP tagged protein. It promotes proper folding of the fusion protein, and it can be also used to prevent an insoluble form (inclusion bodies). MBP tagged protein is purified with an amylose column. The MBP tagged protein can be eluted from the column with maltose and cleaved with a specific protease to yield the purified target protein. MBP-tag Antibody, mAb, Mouse is suitable for detecting fusion proteins that contain a MBP-tag. GenScript MBP-tag Antibody, mAb, Mouse is produced from the hybridoma resulting from fusion of Sp2/0 myeloma and lymphocytes obtained from mouse immunized with purified recombinant MBP fusion protein.

Synonyms : MBP-tag Monoclonal Antibody;

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.