

Datasheet for ABIN5650683  
**anti-Metallothionein antibody (Atto 594)**



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1 Image

## Overview

Quantity:	100 µg
Target:	Metallothionein (MT)
Reactivity:	Pseudomonas aeruginosa
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Metallothionein antibody is conjugated to Atto 594
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Recombinant full length Pseudomonas aeruginosa Metallothionein protein
Clone:	1F5
Isotype:	IgG1
Specificity:	Detects 36 kDa band corresponding to Pseudomonas aeruginosa Metallothionein.
Cross-Reactivity:	Pseudomonas aeruginosa
Purification:	Protein G Purified

## Target Details

Target:	Metallothionein (MT)
Alternative Name:	Metallothionein ( <a href="#">MT Products</a> )
Gene ID:	880550

## Target Details

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NCBI Accession:	<a href="#">NP_250830</a>
UniProt:	<a href="#">Q9I1X5</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Protein targeting to Nucleus</a>

## Application Details

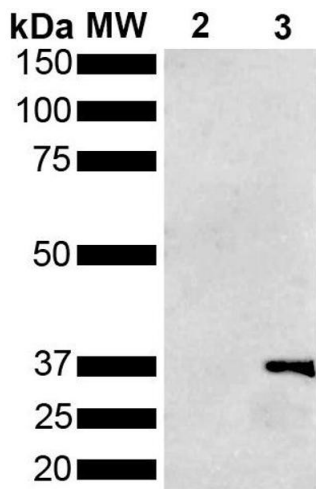
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Application Notes:	<ul style="list-style-type: none"><li>• WB (1:1000)</li><li>• ELISA (1:800)</li><li>• optimal dilutions for assays should be determined by the user.</li></ul>
Comment:	A 1:1000 dilution of ABIN5650683 was sufficient for detection of Metallothionein in 1 µg of purified <i>Pseudomonas aeruginosa</i> Metallothionein (PmtA)-GST tagged protein by ECL immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % Sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



### Western Blotting

**Image 1.** Western Blot analysis of *Pseudomonas aeruginosa* Metallothionein (PmtA) GST tagged showing detection of 36 kDa Metallothionein protein using Mouse Anti-Metallothionein Monoclonal Antibody, Clone 1F5 (ABIN5650683). Lane 1: Molecular Weight Ladder (MW). Lane 2: GST. Lane 3: Purified *Pseudomonas aeruginosa* Metallothionein (PmtA) GST tagged. Load: 1 µg. Block: 5 % Skim Milk powder in TBST. Primary Antibody: Mouse Anti-Metallothionein Monoclonal Antibody (ABIN5650683) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG:HRP at 1:5000 for 1 hour at RT. Color Development: ECL solution for 5 min in RT. Predicted/Observed Size: 36 kDa.