



Heavy metal detoxification and Oxidative stress
Anti Rabbit Metallothionein Monoclonal Antibody
(Clone No.1A12)

Metallothionein(MT), a cysteine-rich(30%), metal-binding protein, exists in most tissues and is easily induced by many stimuli. It's multifunction roles in the body have been proposed such as a chelator to harmful heavy metals and excessive essential metals, a scavenger to various radicals and active oxygen species, and a regulator in the cell proliferation process.

This product consists of protein G purified mouse monoclonal antibody against rabbit MT-2 and can be used for immunoblotting. This antibody reacts with rabbit MT-1,2, human MT-1, mouse MT-1 and rat MT-1.

Package Size	100 μ g (100 μ L/vial)
Format	Mouse monoclonal antibody 1.0mg/mL
Buffer	2% Block Ace as a stabilizer, containing 0.1% proclin as a bacteriostat
Storage	Store below -20°C . Once thawed, store at 4°C . Repeated freeze-thaw cycles should be avoided.
Purification method	The splenic lymphocytes from BALB/c mouse, immunized with rabbit metallothionein-2, were fused to myeloma P3U1 cells. The cell line (1A12) with positive reaction was grown in ascitic fluid of BALB/c mouse, from which the antibody was purified by Protein G affinity chromatography.
Working dilution for immunoblotting:	0.01 μ g/mL
Specificity	This antibody reacts with rabbit MT-1,2, human MT-1, mouse MT-1 and rat MT-1

【References】

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