

MONOCLONAL ANTIBODY

For research use only. Not for diagnostic use.

Catalog No. KYU-HT-M005

Anti Plumbagin

[PL; 5-hydroxy-2-methyl-1,4-naphthoquinone]

BACKGROUND

Plumbagin is a naphthoquinone isolated from *Plumbago zeylanica*.

Product type	Primary antibody
Immunogen	PL(Plumbagin)-BSA
Rased in	Mouse (Balb/c)
Myeloma	SP2/0
Clone number	3A3
Isotype	IgG1 k
Source	Serum free culture supernatant
Purification	Protein G
Buffer	PBS containing 0.02% NaN ₃ as a preservative
Concentration	1mg / mL
Volume	100 UL
Label	Unlabeled
Specificity	plumbagin
Cross reactivity	-
Storage	Store below -20 degrees (below -70 degrees for prolonged storage) Aliquot to avoid cycles of freeze / thaw.

Application notes · **ELISA** (Ref.1)

Recommended dilutions
Other applications have not been tested.
Optimal dilutions/concentrations should be determined by the end user.

References
1) Sakamoto et al., Development of an enzyme-linked immunosorbent assay (ELISA) using highly-specific monoclonal antibodies against plumbagin, *Anal Chim Acta.* 2008 Jan 21;607(1):100-5. PMID: [18155415](#)

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