

Version 1.5

Update: 9/29/2019

PIVKA II Antibody, mAb, Mouse

Cat. No.	Name	Clone
V06701	PIVKA II Antibody (1C5), mAb, Mouse	1C5
V06702	PIVKA II Antibody (2D7), mAb, Mouse	2D7
V06703	PIVKA II Antibody (6C4), mAb, Mouse	6C4

Specificity	Human PIVKA II
Isotype	IgG1 for MAbs 1C5, 2D7 and 6C4
Production	Cultured <i>in vitro</i> under conditions free from animal-derived components.
Purification	Protein A/G affinity column
Formulation	1) PBS, pH 7.4, containing 0.03% Proclin 300 2) 50 mM Na-citrate, 150 mM NaCl, pH 7.0, containing 0.03% Proclin 300 * *: For new batch since 09/01/2018, please refer to COA.
Storage	For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Application	Platform	Capture	Detection
	CLIA	1C5	2D7
	CLIA	6C4	2D7
	CLIA	2D7	6C4

Background	Protein Induced by Vitamin K Absence or Antagonist-II (PIVKA-II), also known as Des- γ -carboxy-prothrombin (DCP), is an abnormal form of prothrombin. Normally, the prothrombin's 10 glutamic acid residues (Glu) in the γ -carboxyglutamic acid (Gla) domain at positions 6, 7, 14, 16, 19, 20,25,
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26, 29 and 32 are γ -carboxylated to Gla by vitamin-K dependent γ - glutamyl carboxylase in the liver and then secreted into plasma. In patients with hepatocellular carcinoma (HCC), γ -carboxylation of prothrombin is impaired so that PIVKA-II is formed instead of prothrombin. PIVKA-II is considered as an efficient biomarker specific for HCC.

Product stability

Temperature, Time	Result for clone 1C5
-80°C, 21 days	OK
-20°C, 21 days	OK
4°C, 21 days	OK
20°C, 21 days	OK
37°C, 21 days	OK
40°C, 21 days	OK

Note

GenScript can customize this product per customer's request including product size, buffer components, etc.

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