

Rev01
Update: Sep,02,2025

DATASHEET

PIVKA II (1C5), mAb, Mouse

Cat. No.: V06701

Overview

Specificity	Human PIVKA II
Clone ID	1C5
Epitope	12-28 within PIVKA II
Isotype	IgG1 for MAbs 1C5
Subclass	IgG1
Host Species	Mouse
Antigen Species	Human

Properties

Conjugation	Unconjugated
Production	Cultured in vitro under conditions free from animal-derived components
Purification	Protein A/G affinity column
Concentration	≥ 2mg/ml
Formulation	50 mM Na-citrate, 150 mM NaCl, pH 7.0, containing 0.03% ProClin 300.
Storage	For long term storage, aliquot and store at -25°C~-15°C or below. Avoid repeated freezing and thawing cycles.

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.	

Applications

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

Background

Target 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, 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.

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

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