

## Mouse NOV Antibody Pair Set

**Catalog No.** E-KAB-0705**Applications**

ELISA

**Synonyms** CCN3;IGFBP9;NOVH;IBP-9;Insulin-like growth factor-binding protein 9;Protein NOV homolog

### Kit components & Storage

Title	Specifications	Storage
Mouse NOV Capture Antibody	1 vial, 100 µg	Store at -20℃. Avoid freeze / thaw cycles.
Mouse NOV Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃. Avoid freeze / thaw cycles.

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

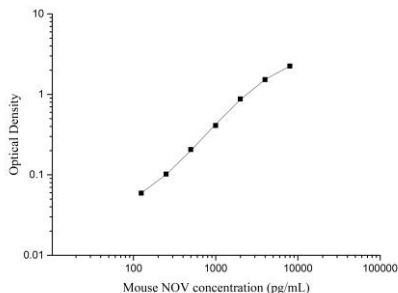
### Product Information

Items		Characteristic (E-KAB-0705)	
		Mouse NOV Capture Antibody	Mouse NOV Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse NOV protein	Recombinant Mouse NOV protein
	Swissprot	Q64299	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Affinity purification	Affinity purification
	Specificity	Detects Mouse NOV in ELISAs.	

**For Research Use Only**

## Applications

Mouse NOV Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Mouse NOV Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse NOV Detection Antibody (Biotin)	

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

NOV (CCN3) is a member of the CCN family of secreted, cysteine-rich regulatory proteins that share four conserved modules which confer distinct biological activities. These modules include an insulin-like growth factor binding domain, a von Willebrand type C domain, thrombospondin-1 domain, and a C-terminal cysteine knot domain. It is widely expressed developmentally, especially in the muscle, endothelium, nervous system, adrenal cortex, and chondrocytes. NOV (CCN3) acts through the Notch and BMP signaling pathways to modulate self-renewal and maturation of a number of cell lineages including hematopoietic, osteogenic, and chondrogenic lineages. NOV (CCN3) is also a putative ligand for integrin receptors and is tightly associated with the extracellular matrix. Its interaction with integrins  $\alpha v \beta 3$  and  $\alpha 5 \beta 1$  mediates endothelial cell adhesion, induces chemotaxis, and promotes angiogenesis. The elevated expression of NOV (CCN3) is associated with certain tumors such as Wilms' tumor and most neuroblastomas.