

# Product Datasheet

## Mouse Collagen IV ELISA Kit (Colorimetric) NBP2-75865

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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### Publications: 2

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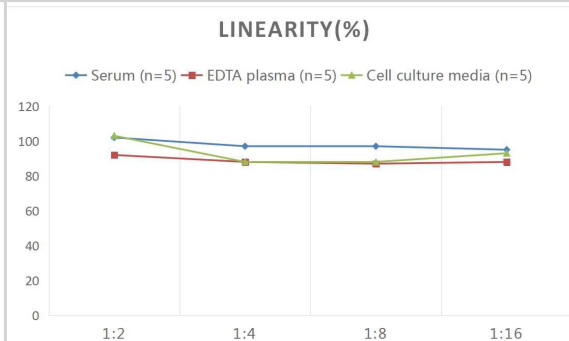
**NBP2-75865****Mouse Collagen IV ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Gene ID</b>	1282
<b>Gene Symbol</b>	COL4A1
<b>Species</b>	Mouse
<b>Specificity/Sensitivity</b>	This kit recognizes Mouse COL4 in samples. No significant cross-reactivity or interference between Mouse COL4 and analogues was observed.
<b>Kit Components</b>	Micro ELISA Plate (Dismountable), Reference Standard, Concentrated Biotinylated Detection Ab (100x), Concentrated HRP Conjugate (100x), Sample Diluent, Biotinylated Detection Ab Diluent, HRP Conjugate Diluent, Concentrated Wash Buffer (25x), Substrate Reagent, Stop Solution, Plate Sealer, Product Manual
<b>Standard Curve Range</b>	1.56 -100 ng/mL
<b>Sensitivity</b>	0.94 ng/mL
<b>Inter Assay</b>	CV% < 4.97%
<b>Intra Assay</b>	CV% < 4.67%
<b>Assay Type</b>	Sandwich-ELISA
<b>Spiking Recovery</b>	87-103%
<b>Suitable Sample Type</b>	Serum, plasma and other biological fluids
<b>Sample Volume</b>	100 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA

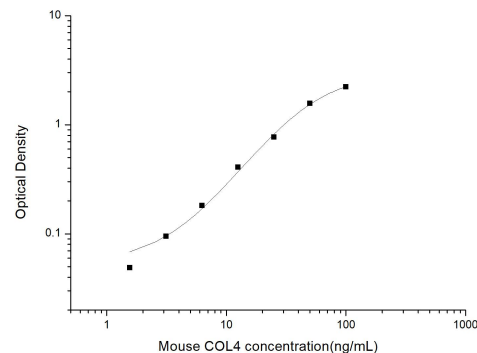


## Images

ELISA: Mouse Collagen IV ELISA Kit (Colorimetric) [NBP2-75865] - Samples were spiked with high concentrations of Mouse Collagen IV and diluted with Reference Standard & Sample Diluent to produce samples with values within the range of the assay.



ELISA: Mouse Collagen IV ELISA Kit (Colorimetric) [NBP2-75865] - Standard Curve Reference



## Publications

Fitzgerald H, Bonin JL, Khan S et al. Resolvin D2-GPR18 Enhances Bone Marrow Function and Limits Steatosis and Hepatic Collagen Accumulation in Aging The American journal of pathology 2023-09-16 [PMID: 37717941] (ELISA)

Nguyen TT, Pham TT, Nguyen HT et al. Engineering "cell-particle hybrids" of pancreatic islets and bioadhesive FK506-loaded polymeric microspheres for local immunomodulation in xenogeneic islet transplantation Biomaterials 2019-11-01 [PMID: 31419652]



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### **Products Related to NBP2-75865**

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NBP1-97245	Collagen IV Native Protein
7754-BH-005/CF	TGF-beta 1 [Unconjugated]
NB120-6586	Collagen IV Antibody
DVE00	VEGF [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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