

À des fins de recherche uniquement

Anticorps Monoclonal anti- NeutraControl Noggin



Numéro de catalogue: 69510-1-Ig

Informations de base

Numéro de catalogue: 69510-1-Ig	Numéro d'acquisition GenBank: 9241	Méthode de purification: Purification par protéine A
Taille: 100ug, Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): noggin	CloneNo.: 3B10F3
Hôte: Mouse	Nom complet: noggin	
Isotype: IgG2a		
Immunogen Catalog Number: HZ-1118		

Applications

Applications testées:
Non-Neutralization, ELISA

Spécificité de l'espèce:
Humain

Informations générales

Noggin is an extracellular polypeptide acting as an antagonist of bone morphogenetic proteins (BMPs) regulating embryonal development. Noggin inhibits activity of BMP-2, -4, -7, -13, and -14. Noggin is present extracellularly in the matrix or retained at the cell surface via interaction with heparin sulfate proteoglycans. In early development stages, Noggin is produced by the Spemann organizer, allowing dorsal-ventral patterning of BMPs (PMID: 8752214). Subsequently, Noggin is expressed by the notochord regulating BMP-4 signaling in neurogenesis. Additionally, Noggin is present during development in the dermal papilla, connective tissue of the hair follicle, lens, retina, and perocular mesenchyme, as well as in the mesoderm lineage regulating development of the bone, cartilage, and muscles.

This antibody is a neutralizing control antibody for Noggin, the immunogen is the same as Neutrakine 69010-1-Ig but could not neutralize human Noggin.

Stockage

Stockage:
Les anticorps lyophilisés sont stables pendant 1 an à compter de la date de réception s'ils sont stockés à une température comprise entre -20 °C et -80 °C. Après reconstitution, nous recommandons que la solution soit stockée à (4 °C) pour une courte durée ou à une température comprise entre (-20 °C) et (-80 °C) pour une longue durée. Il convient d'éviter les cycles répétés de congélation-décongélation avec les produits reconstitués.

Tampon de stockage:
PBS stérile.

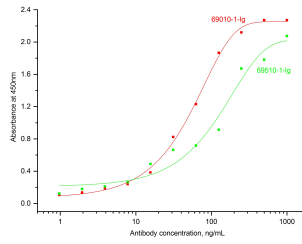
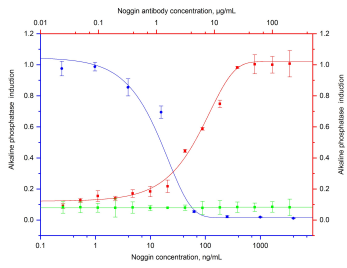
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Données de validation sélectionnées



Recombinant human Noggin (Cat.NO. HZ-1118) inhibits BMP-4 induced alkaline phosphatase production (using pNPP as chromogenic substrate for detection) by ATDC5 in a dose dependent manner (blue curve, refer to bottom X-left Y). The activity of human Noggin (40 ng/mL HZ-1118) is neutralized by mouse anti-human Noggin monoclonal antibody 69010-1-Ig at serial dose (red curve, refer to top X-right Y). The ND50 is typically 5-20 $\mu\text{g}/\text{mL}$. The



Indirect ELISA was carried out by coating recombinant Human Noggin (Cat.NO. HZ-1118) at 70 ng/well followed by blocking and adding serial diluted Noggin antibody 69010-1-Ig and 69510-1-Ig respectively. Signal was developed with TMB and stopped by H2SO4. Signal strength was measured by absorbance at 450 nm.