

For Research Use Only

# CoraLite® Plus 647-conjugated Noggin Monoclonal antibody

Catalog Number: CL647-69010



## Basic Information

Catalog Number:

CL647-69010

GenBank Accession Number:

GeneID (NCBI):

9241

Size:

100ul, Concentration: 1000 ug/ml by  
Nanodrop;

Full Name:

noggin

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

HZ-1118

Purification Method:

Protein G purification

CloneNo.:

2A11C1

Excitation/Emission maxima  
wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

## Background Information

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 used to Block/Neutralize Noggin protein.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

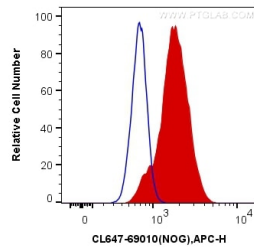
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## Selected Validation Data



1X10<sup>6</sup> PC-3 cells were intracellularly stained with 0.8 ug CoraLite® Plus 647 Anti-Human Noggin (CL647-69010, Clone:2A11C1) (red), or 0.8 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).