

# Noggin Monoclonal Antibody (1H8noggin), eBioscience™

## Product Details

Size	100 µg
Host/Isotype	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	1H8noggin
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Storage conditions	4° C
RRID	AB_2572913

## Applications

## Tested Dilution

## Publications

Immunohistochemistry (Paraffin) (IHC (P))

10 µg/mL

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Immunocytochemistry (ICC/IF)

Assay-Dependent

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## Product Specific Information

**Description:** The monoclonal antibody 1H8noggin recognizes human noggin. Noggin is a secreted, glycosylated, chemokine that binds and inhibits TGFbeta (transforming growth factor beta) family members such as bone morphogenic protein-4 and -2 (BMP-4, BMP-2). The binding of noggin to BMPs prevents interaction with signal-transducing BMP receptors (BMPR), responsible for activation of VEGF and other pathways that affect vascular patterning, neural tube formation, mesodermal differentiation, and oligodendroglialogenesis. Noggin expression is restricted both temporally and by cell type, for example by chondrogenic precursor cells during limb development, ectodermal cells in the dorsal neural tube, ependymal cells adjacent to the subventricular zone in adult brain, and stromal cells underlying luminal epithelium.

**Applications Reported:** This 1H8noggin antibody has been reported for use in immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, microscopy, and immunocytochemistry.

**Applications Tested:** This 1H8noggin antibody has been tested by immunohistochemistry of formalin-fixed paraffin embedded human tissue using low pH antigen retrieval at less than or equal to 10 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Purity:** Greater than 90%, as determined by SDS-PAGE.

**Aggregation:** Less than 10%, as determined by HPLC.

**Filtration:** 0.2 µm post-manufacturing filtered.

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