

Mouse NODAL Monoclonal Antibody | anti-NODAL antibody

NODAL (Nodal Homolog, MGC138230) (Biotin)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24883	Mouse	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

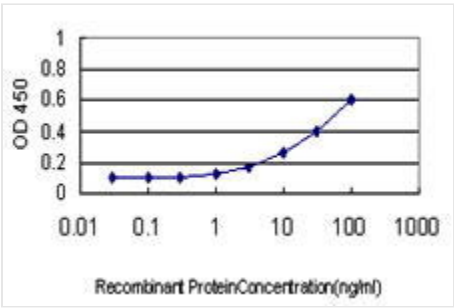
PRODUCT SYNONYMS

NODAL; Monoclonal Antibody; NODAL (Nodal Homolog; MGC138230) (Biotin); anti-NODAL antibody

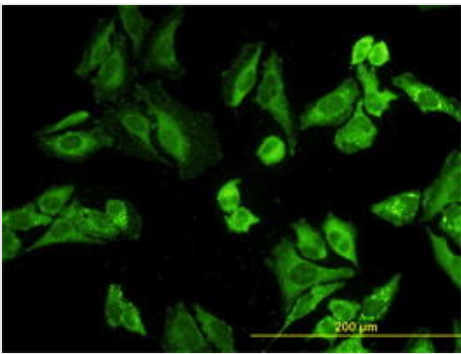
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	5C3
Specificity	Recognizes human NODAL. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Applicable Applications for anti-NODAL antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa275-347 from human NODAL (NP_060525) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	RCEGECPNPVGEEFHPTNHAYIQSLLKRYQPHRVPSTCCAPVKTKPLSMLYVDNGRVLLDHHKDMIVEECGC
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

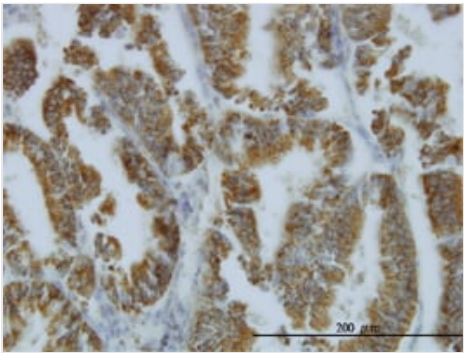
IMAGES



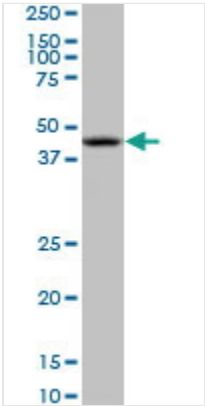
Application Data
Detection limit for recombinant GST tagged NODAL is ~0.3ng/ml as a capture antibody.



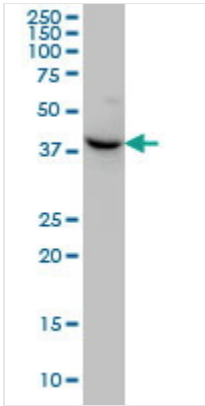
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to NODAL on HeLa cell. [antibody concentration 10ug/ml]



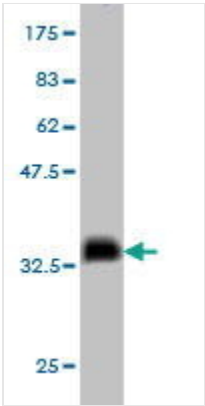
IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to NODAL on formalin-fixed paraffin-embedded human endometrium cancer. [antibody concentration 3ug/ml]



WB (Western Blot)
NODAL monoclonal antibody Western Blot analysis of NODAL expression in PC-12.



WB (Western Blot)
NODAL monoclonal antibody Western Blot analysis of NODAL expression in HeLa.



WB (Western Blot)
Western Blot detection against Immunogen (33.66kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-NODAL antibody	Antibodies; Stem Cell Research
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222352098
NCBI GeneID	4838
NCBI Accession #	NP_060525

NCBI GenBank Nucleotide #	NM_018055
UniProt Accession #	Q96S42; Q2M3A5; Q8N4V3
Molecular Weight	39,561 Da
NCBI Official Full Name	nodal homolog
NCBI Official Synonym Full Names	nodal growth differentiation factor
NCBI Official Symbol	NODAL
NCBI Official Synonym Symbols	HTX5
NCBI Protein Information	nodal homolog
UniProt Protein Name	Nodal homolog
UniProt Gene Name	NODAL
UniProt Entry Name	NODAL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/nodal-antibody-clone-5c3-immunofluorescence-immunohistochemistry-western-blot-elisa/24883>