

Mouse anti-Human GDF9 (Growth Differentiation Factor 9) Monoclonal Antibody | anti-GDF9 antibody

GDF9 (Growth Differentiation Factor 9) Mouse Monoclonal Antibody [Clone GDF9/4261]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215677	Mouse	Human	Immunohistochemistry, Western Blot, ELISA

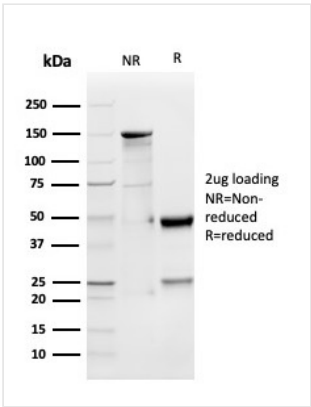
PRODUCT SYNONYMS

GDF9 (Growth Differentiation Factor 9); Monoclonal Antibody; GDF9 (Growth Differentiation Factor 9) Mouse Monoclonal Antibody [Clone GDF9/4261]; Growth/differentiation factor 9; GDF-9; GDF9; anti-GDF9 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG1
Clone Number	GDF9/4261
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-GDF9 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Tuberculin coupled peptide with sequence VPAKYSPLSVLTIEPDGSIAYKEYEDMIATKC that recognizes an epitope with the EPDG sequence near the C-terminal region of human GDF9.
Cellular Localization	Cytoplasmic (secreted)
Positive Control	Human ovary.
Hu-chromosome Location	5q31.1
Unigene	25022
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified GDF9 Mouse Monoclonal Antibody (GDF9/4261) Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GDF9 antibody	GDF9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Growth factors synthesized by ovarian somatic cells directly affect oocyte growth and function. GDF9 is expressed in oocytes and is thought to be required for ovarian folliculogenesis. GDF9/4261 can be used in assays to detect oocyte expression and has been shown to neutralize GDF9 biological activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885261
NCBI GeneID	2661
NCBI Accession #	NP_005251.1
NCBI GenBank Nucleotide #	NM_005260.3
UniProt Accession #	O60383; Q4VAW5
Molecular Weight	51,444 Da
NCBI Official Full Name	growth/differentiation factor 9 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 9
NCBI Official Symbol	GDF9
NCBI Protein Information	growth/differentiation factor 9; GDF-9
UniProt Protein Name	Growth/differentiation factor 9
UniProt Gene Name	GDF9
UniProt Synonym Gene Names	GDF-9
UniProt Entry Name	GDF9_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.