



20150116ML

Anti-Mouse Wnt-8a (#38L1)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M503
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of Wnt-8a.

Target Background

Synonyms (Target):	WNT8A; WNT8D
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Wnt-8a is a secreted glycoprotein that binds to receptors of the Frizzled family. Wnt-8a is expressed during early optic lens development and cardiac myogenesis. The expression of Wnt-8a has also been shown to be upregulated during primitive hematopoiesis. TGF-beta has been shown to increase Wnt-8a secretion during epithelial mesenchymal transition (EMT). The Wnts make up a large family of secreted proteins with roles in pattern formation, cell fate decision, axon guidance, and tumor formation. Wnt family members vary in length between 350 and 400 amino acids (aa), possess 22 to 24 conserved cysteines, are highly hydrophobic, and show 20 - 85% aa identity within the Wnt family. In general, there are three signaling pathways associated with Wnt-receptor interaction. The first is commonly called the canonical pathway and ultimately culminates in beta-Catenin accumulation and TCF/LEF-1-mediated gene transcription. The other two less well-defined non-canonical pathways include the Wnt/Ca2+ pathway and the planar cell polarity (PCP) pathway.

Database References Target

Protein RefSeq:	NP_490645.1
Uniprot ID:	Q9H1J5
mRNA RefSeq:	NM_058244

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#38L1)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	Mouse recombinant protein Wnt-8a
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects specifically mouse Wnt-8a with WB.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:**WB:** 1:250-1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!