



20150116ML

Anti-Mouse Wnt-3a (#13F9)

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

Cat.-no.:	103-M501
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-3a.

Target Background

Synonyms (Target):	Wnt3a; vt; Wnt-3a
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Wnt-4 is a 38 - 42 kDa member of the Wnt family of secreted glycoproteins, which act as short-range signaling molecules via Frizzled receptors and a cascade of intracellular signals in vertebrate embryogenesis. Wnt-4 has been shown to play a critical role in the development of the reproductive system and in the formation of the kidneys, adrenals, pituitary gland, and mammary tissues. In the development of the reproductive system, Wnt-4 expression is down-regulated in the developing gonad after E11.5, although it persists in the developing ovary. Targeted deletion of Wnt-4 results in masculinization of XX mice, with rudimentary development of the masculine internal (Wolffian) ducts and degeneration of the female (Mullerian) reproductive tract. In addition to its involvement in urogenital development, Wnt-4 is also expressed in the perichondrium of the long bones, and promotes osteoblast differentiation. Wnt-4 may also be associated with abnormal proliferation in human breast tissue.

Database References Target

Protein RefSeq:	NP_033548
Uniprot ID:	P27467
mRNA RefSeq:	NM_009522

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#13F9)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	recombinant protein of Wnt-3a
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-3a with WB.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, N

Recommended usage:

WB: 1:250-1000

Neutralization: Yes

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