



Anti-Mouse Frizzled-3 (#6S34)

20180306BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	103-M20
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 Frizzled 2.

Target Background

Synonyms (Target):	Fz-3, mFz3, Fzd3
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Wnt signaling is involved in variety of developmental processes including cell fate determination, cell polarity, tissue patterning and control of cell proliferation. Members of the Frizzled family of proteins serve as receptors for the Wnt signaling pathway. The founding member of this family was identified in *Drosophila* based on its role in tissue polarity in the adult cuticle and named for the disorganized appearance of bristle hairs on the mutant. Ten mammalian Frizzled genes have been identified to date. The predicted structure of Frizzled proteins is similar among all family members, containing a divergent Nterminal signal peptide, a highly conserved extracellular cysteine-rich domain, a variablelength linker region, a sevenpass transmembrane domain, and a variablelength C-terminal tail. One of the most conserved regions of the Frizzled proteins is the extracellular cysteine-rich domain (CRD) which spans approximately 120 AA and contains 10 invariant cysteines. Mouse Frizzled-2 shows 100% amino acid identity to human and rat Frizzled2 in the CRD region. Frizzled2 expression is greater in embryonic than adult tissues, with heart, brain, lung, kidney and gut showing the highest levels.

Database References Target

Protein RefSeq:	NP_067433.1.
Uniprot ID:	Q61086
mRNA RefSeq:	NM_021458.2.

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#6S34)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	recombinant mouse protein Frizzled 3
Formulation	lyophilized
Reconstitution buffer	PBS

Reconstitution: Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 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 recognizes mouse Frizzled-3 by direct ELISAs and WBs.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

WB, IHC

Recommended usage:

WB: 1:1000-2000

IHC (F): 1:100-200

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