



20150116ML

Anti-Mouse Cerberus-1 (#8K12)

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

Cat.-no.:	103-M345
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 Cerberus 1.

Target Background

Synonyms (Target):	Cer1; Cerl; Cerl1; Cerr1; cer-1
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Cerberus 1, also called DAND4, is a member of the DAN domain family of BMP antagonists that includes DAN (DAND1), Gremlin/Drm (DAND2), PRDC (Protein Related to Dan and Cerberus; DAND3), and COCO/Dante (DAND5). DAN family members contain a cysteine knot domain that is homologous to that found in other TGF-beta superfamily ligands. Cerberus 1 is a secreted glycoprotein that forms disulfide-linked homodimers. Cerberus-S, which is generated by proteolysis in Xenopus, is a short version of the molecule and includes the C-terminal cysteine knot domain.

Database References Target

Protein RefSeq:	NP_034017.1
Uniprot ID:	O55233
mRNA RefSeq:	NM_009887.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#8K12)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	Mouse recombinant Cerberus 1
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 Cerberus-1 with WB.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:500-1000

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