



Mash1

Data Sheet

Catalog Number:	MO15048	Host:	Rat
Product Type:	Protein G purified rat IgG _{2A} Clone: 290622	Species:	Human, Mouse
Immunogen Sequence:	Recombinant mouse Mammalian achaete-scute homolog 1 (Mash1; aa 74 - 173).	Reactivity:	
Applications:	Immunocytochemistry: 15 µg/mL Western blot: 1-2 µg/mL Immunocytochemistry: 0.5-1.0 µg/mL	Format:	Liquid 1mg/ml in PBS with 5% trehalose
Storage:	Dilutions listed as recommendation. Optimal dilution should be determined by the end user. Antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. <i>Avoid repeated freeze-thaw cycles.</i>		

Application Notes

Specificity

This antibody was selected for its ability to detect mouse Mash1 in western blots and immunocytochemistry experiments.

Immunocytochemistry

This antibody was used at a concentration of 15 µg/mL to detect Mash1 on retinoic acid-differentiated human NTERA-2 cells. Cells were fixed with PBS containing 4% paraformaldehyde for 20 minutes at room temperature and blocked with PBS containing 10% normal donkey serum, 0.1% Triton X-100, and 1% BSA for 45 minutes at room temperature. After blocking, cells were incubated with diluted primary antibody overnight at 4°C followed by Rhodamine Red-coupled anti-rat IgG at room temperature in the dark for one hour. Between each step, cells were washed with PBS containing 0.1% BSA.

Western Blot

This antibody can be used at 1 – 2 µg/mL with the appropriate secondary reagents to detect mouse Mash1. Using a colorimetric detection system, the detection limit for mMash1 is approximately 1 ng/lane under non-reducing and reducing conditions.

Direct ELISA

This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse Mash1. The detection limit for mMash1 is approximately 0.5 ng/well.

FOR RESEARCH USE ONLY-V2-06/08

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