NEUROMICS

Mash1   Data Sheet

Catalog Number:	MO15048	**Host:**	Rat
Product Type:	Protein G purified rat IgG$_{2A}$ **Clone:**	**Species Reactivity:**	Human
Immunogen Sequence:	Recombinant mouse Mammalian achaete-scute homolog 1 (Mash1; aa 74 - 173).	**Format:**	Liquid 1mg/ml in PBS with 5% trehalose

Applications:
Immunocytochemistry: 15 µg/mL
Western blot: 1-2 µg/mL
Immunocytochemistry: 0.5-1.0 µg/mL
   Dilutions listed as recommendation. Optimal dilution should be determined by the end user.

Storage: 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. *Avoid repeated freeze-thaw cycles.*

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 ug/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 ug/mL with the appropriate secondary reagents to detect mouse Mash1. Using a colorimetric detection system, the detection limit for rmMash1 is approximately 1 ng/lane under non-reducing and reducing conditions.

Direct ELISA
This antibody can be used at 0.5 - 1.0 ug/mL with the appropriate secondary reagents to detect mouse Mash1. The detection limit for rmMash1 is approximately 0.5 ng/well.