RET Mouse Monoclonal Antibody

E10-20159

Background: RET (ret proto-oncogene) is a member of the cadherin superfamily and a receptor tyrosine kinase, which are cell-surface molecules that transduce signals for cell growth and differentiation. It can undergo oncogenic activation in vivo and in vitro by cytogenetic rearrangement. Ligands that bind the Ret receptor include the glial cell line-derived neurotropic factor (GDNF) and its congeners neurturin, persephin and artemin. Alterations in the corresponding Ret gene are associated with diseases including papillary thyroid carcinoma, multiple endocrine neoplasia (type 2A and 2B), familial medullary thyroid carcinoma and a congenital developmental disorder known as Hirschsprung's disease. The Tyr905 residue located in the Ret kinase domain plays a crucial role in Ret catalytic and biological activity. Substitution of Phe for Tyr905 dramatically inhibits Ret autophosphorylation activity.

Catalog Number: E10-20159

Amount: 100µg/100µl

Clone Number: 8D10C9

Species: Mouse IgG1

Aliases: RET

Entrez Gene: 5979

Immunogen: Purified recombinant fragment of RET (aa896-1063) expressed in E. Coli.

Storage: Store at 4 °C for 1 month. For long term storage, store at -20 °C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB ,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000, ELISA. Propose dilution 1/10000.

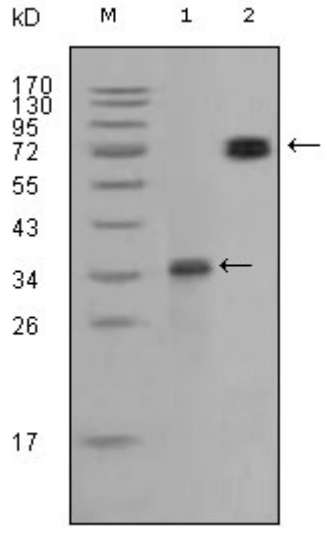

Figure 1. Western blot analysis using RET mouse mAb against truncated RET recombinant protein (1) and RET (aa658-1063)-hIgGFc transfected CHO-K1 cell lysate (2).

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