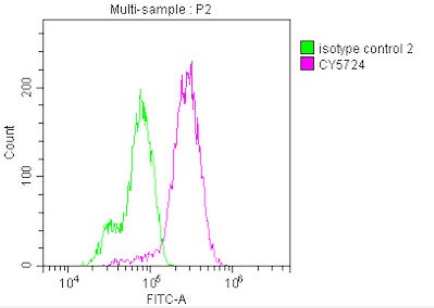
RecomAb™

RET recombinant monoclonal antibody, clone 8D12

Catalog # RAB04014 Size 100 uL

Applications



Flow Cytometry

Overlay histogram showing Hela cells stained with RET recombinant monoclonal antibody, clone 8D12 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human RET.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human RET.
Reactivity	Human
Form	Liquid
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry (1:20-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

  Overlay histogram showing Hela cells stained with RET recombinant monoclonal antibody, clone 8D12 (red line) at 1:50.

Gene Info — RET

Entrez GeneID	5979
Protein Accession#	P07949
Gene Name	RET
Gene Alias	CDHF12, HSCR1, MEN2A, MEN2B, MTC1, PTC, RET-ELE1, RET51
Gene Description	ret proto-oncogene
Omim ID	142623 155240 162300 164761 171300 171400 209880
Gene Ontology	Hyperlink
Gene Summary	This gene, a member of the cadherin superfamily, encodes one of the receptor tyrosine kinases, which are cell-surface molecules that transduce signals for cell growth and differentiation. This ge ne plays a crucial role in neural crest development, and it can undergo oncogenic activation in viv o and in vitro by cytogenetic rearrangement. Mutations in this gene are associated with the disord ers multiple endocrine neoplasia, type IIA, multiple endocrine neoplasia, type IIB, Hirschsprung dis ease, and medullary thyroid carcinoma. Two transcript variants encoding different isoforms have been found for this gene. Additional transcript variants have been described but their biological va lidity has not been confirmed. [provided by RefSeq
Other Designations	RET transforming sequence|cadherin family member 12|hydroxyaryl-protein kinase|oncogene RE T|receptor tyrosine kinase|ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease)

Pathway

- Endocytosis

- Pathways in cancer
- Thyroid cancer

Disease

- Adenocarcinoma
- Adenoma
- Adrenal Gland Neoplasms
- Alzheimer Disease
- Atherosclerosis
- Carcinoma
- Cleft Lip
- Cleft Palate
- Digestive System Abnormalities
- Disease Progression
- Down Syndrome
- Endocrine Gland Neoplasms
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glomus Tumor
- Hashimoto Disease
- Head and Neck Neoplasms
- Hippel-Lindau Disease
- Hirschsprung Disease
- Hydronephrosis
- Hyperplasia

- Hypertension
- Intestinal Diseases
- Kidney Diseases
- Lung Neoplasms
- Lymphatic Metastasis
- Macular Degeneration
- Multiple endocrine neoplasia
- Multiple Endocrine Neoplasia Type 2a
- Multiple Endocrine Neoplasia Type 2b
- Necrosis
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neurofibromatosis
- Nondisjunction
- Pancreatic cancer
- Pancreatic Neoplasms
- Paraganglioma
- Parkinson disease
- Pheochromocytoma
- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Recurrence
- Schizophrenia
- Sleep Apnea

- Sudden Infant Death
- Syndrome
- Taste
- Thyroid Diseases
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urea Cycle Disorders
- Urinary Bladder Neoplasms
- Urogenital Abnormalities
- Vesico-Ureteral Reflux
- Vitamin A Deficiency
- von Hippel-Lindau Disease
- Von Hippel-Lindau syndrome
- Werner syndrome