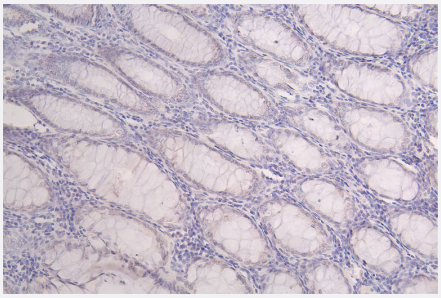
RecomAb™ Sm Size

TNNT2 recombinant monoclonal antibody, clone 8H8

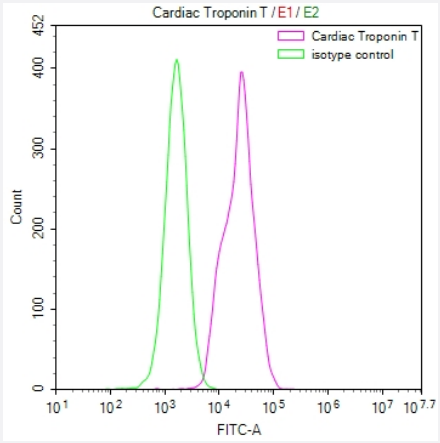
Catalog # RAB08520 Size 50 uL

Applications



Immunohistochemistry

Immunohistochemistry image of TNNT2 recombinant monoclonal antibody, clone 8H8 diluted at 1:50 and staining in paraffin-embedded human rectal cancer performed on a Leica Bond™ system.



Flow Cytometry

Overlay Peak curve showing MCF-7 cells stained with TNNT2 recombinant monoclonal antibody, clone 8H8 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human TNNT2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human TNNT2.
Reactivity	Human
Form	Liquid

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Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
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

- Immunohistochemistry

  Immunohistochemistry image of TNNT2 recombinant monoclonal antibody, clone 8H8 diluted at 1:50 and staining in paraffin-embedded human rectal cancer performed on a Leica Bond™ system.

- Flow Cytometry

  Overlay Peak curve showing MCF-7 cells stained with TNNT2 recombinant monoclonal antibody, clone 8H8 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TNNT2

Entrez GeneID	7139
Protein Accession#	P45379
Gene Name	TNNT2
Gene Alias	CMH2, CMPD2, MGC3889, RCM3, TnTC, cTnT
Gene Description	troponin T type 2 (cardiac)
Omim ID	115195 191045 601494
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined. [provided by RefSeq
Other Designations	OTTHUMP00000033864|OTTHUMP00000033867|cardiomyopathy, dilated 1D (autosomal dominant)|cardiomyopathy, hypertrophic 2|troponin T type 2, cardiac|troponin T, cardiac muscle|troponin T2, cardiac

Pathway

- Cardiac muscle contraction
- Hypertrophic cardiomyopathy (HCM)

Disease

- Cardiomegaly
- Cardiomyopathies
- Cardiomyopathy
- Cardiovascular Diseases
- Death
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Hypertrophy
- Lipid Metabolism
- Mitochondrial Myopathies
- Tachycardia

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