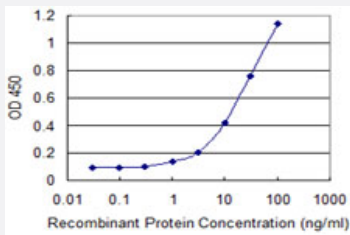


FGFR4 monoclonal antibody (M05), clone 1E2

Catalog # H00002264-M05

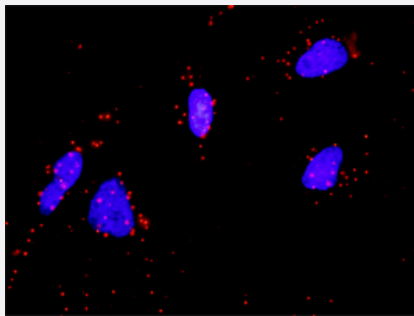
Size 100 ug

Applications



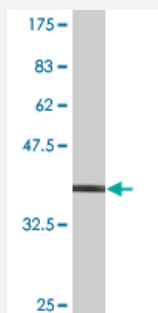
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FGFR4 is 0.3 ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between FGF1 and FGFR4. HeLa cells were stained with anti-FGF1 rabbit purified polyclonal 1:1200 and anti-FGFR4 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (38.39 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant FGFR4.

Immunogen	FGFR4 (AAH11847.1, 31 a.a. ~ 145 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EPCLAPSLEQQEQELTVALGQPVRLCCGRAERGGHWYKEGSRLAPAGRVRGWRGRLEIASFLPEDAGRYLCLARGSMIVLQNLTLITGDSLTSNDDEDPKSHRDPSNRHSYPQQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (79)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.39 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FGFR4 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between FGF1 and FGFR4. HeLa cells were stained with anti-FGF1 rabbit purified polyclonal 1:1200 and anti-FGFR4 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — FGFR4

Entrez GeneID [2264](#)

GeneBank Accession#	BC011847
Protein Accession#	AAH11847.1
Gene Name	FGFR4
Gene Alias	CD334, JTK2, MGC20292, TKF
Gene Description	fibroblast growth factor receptor 4
Omim ID	134935
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. The genomic organization of this gene, compared to members 1-3, encompasses 18 exons rather than 19 or 20. Although alternative splicing has been observed, there is no evidence that the C-terminal half of the IgIII domain of this protein varies between three alternate forms, as indicated for members 1-3. This particular family member preferentially binds acidic fibroblast growth factor and, although its specific function is unknown, it is overexpressed in gynecological tumor samples, suggesting a role in breast and ovarian tumorigenesis. [provided by RefSeq]
Other Designations	OTTHUMP00000161430 hydroxyaryl-protein kinase protein-tyrosine kinase tyrosine kinase related to fibroblast growth factor receptor tyrosylprotein kinase

Pathway

- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [ACTH-Secreting Pituitary Adenoma](#)
- [Adenocarcinoma](#)
- [Bone Neoplasms](#)

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hypersensitivity](#)
- [Irritable Bowel Syndrome](#)
- [Kidney Failure](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Mouth Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Pituitary ACTH Hypersecretion](#)
- [Pituitary Neoplasms](#)
- [Prostate cancer](#)

- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Recurrence](#)
- [Sarcoma](#)
- [Skin Neoplasms](#)
- [Soft Tissue Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)