



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## FGFR4 monoclonal antibody (M05), clone 1E2

Catalog # : H00002264-M05

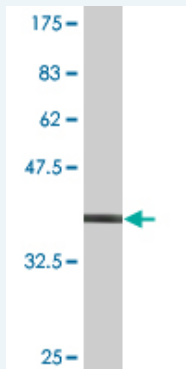
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant FGFR4.
<b>Immunogen:</b>	FGFR4 (AAH11847.1, 31 a.a. ~ 145 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	EPCLAPSLEQQEQELTVALGQPVRLCCGRAERGGHWYKEGSRLAPAG RVRGWRGRLEIASFLPEDAGRYLCLARGSMVLQNLTLITGDSLTSND EDPKSHRDPSNRHSYPQQ
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	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.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

**Western Blot (Recombinant protein)**

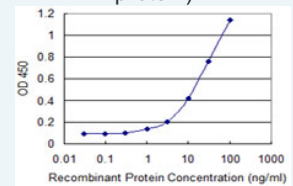
[Protocol Download](#)

**Sandwich ELISA (Recombinant protein)**

### Application Image

Western Blot (Recombinant protein)

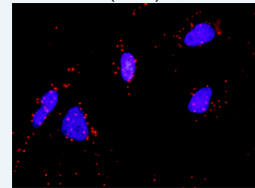
Sandwich ELISA (Recombinant protein)



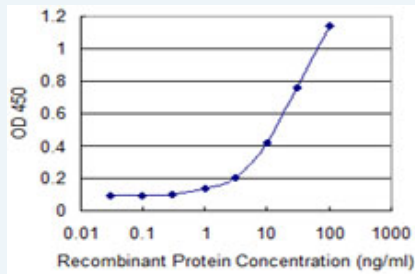
[enlarge](#)

ELISA

*In situ* Proximity Ligation Assay (Cell)



[enlarge](#)

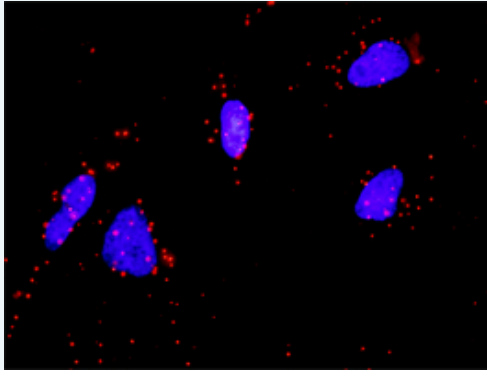


Detection limit for recombinant GST tagged FGFR4 is 0.3 ng/ml as a capture antibody.

[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 Information

Entrez GeneID: [2264](#)

GeneBank [BC011847](#)

Accession#:

Protein [AAH11847.1](#)

Accession#:

Gene Name: FGFR4

Gene Alias: CD334,JTK2,MGC20292,TKF

Gene fibroblast growth factor receptor 4

Description:

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]

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**Other Designations:** OTTHUMP00000161430,hydroxyaryl-protein kinase,protein-tyrosine kinase,tyrosine kinase related to fibroblast growth factor receptor,tyrosylprotein kinase

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### Gene Pathway

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

### Related Disease

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[ACTH-Secreting Pituitary Adenoma](#) [Adenocarcinoma](#) [Bone Neoplasms](#) [Breast cancer](#) [Breast Neoplasms](#) [Bronchial Hyperreactivity](#) [Carcinoma, Basal Cell](#) [Carcinoma, Hepatocellular](#) [Carcinoma, Non-Small-Cell Lung](#) [Carcinoma, Small Cell](#) [Carcinoma, Squamous Cell](#) [Cleft Lip](#) [Cleft Palate](#) [Colon cancer](#) [Colorectal Neoplasms](#) [Disease Progression](#) [Esophageal Neoplasms](#) [Genetic Predisposition to Disease](#) [Head and Neck Neoplasms](#)

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