



Mouse anti-Human FGFR1 monoclonal antibody, clone 3D9 (CABT-B10265)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	FGFR1 (NP_068742, 121 a.a. ~ 231 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3D9
Conjugate	Unconjugated
Applications	ELISA
Sequence Similarities	SPGKESLGPDSSSGGQEDPASQQWARPRFTQPSKMRRRVIARPVGSSVRLKCVASGHPRP DITWMKDDQALTRPEAAEPRKKKWTLSLKNLRPEDSGKYTCRVSNRAGAI*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) 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. A marked difference between this gene product and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other family members and potentially inhibit signaling. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene. [provided by RefSeq, Jul 2008]

Keywords	FGFRL1; fibroblast growth factor receptor-like 1; FHFR; FGFR5; FGFR-5; FGFR-like protein; FGF receptor-like protein 1; FGF homologous factor receptor; fibroblast growth factor receptor 5;
-----------------	---

GENE INFORMATION

Entrez Gene ID	53834
-----------------------	-----------------------

UniProt ID	Q8N441
-------------------	------------------------

Function	fibroblast growth factor binding; fibroblast growth factor receptor activity; heparin binding; receptor activity
-----------------	--
