



Mouse Anti-Human IGF1R (283-440 or 586-908) Monoclonal Antibody, clone 37-4 (CABT- Z177M)

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

PRODUCT INFORMATION

Product Overview	Human IGF type 1 receptor antibody is a mouse monoclonal antibody (IgG1) which recognizes an epitope within amino acids 283-440 or 586-908 of the extracellular domain (α -chain) of the human IGF type 1 receptor.
Specificity	Cross-reacts with the human IGF type I receptor, but not the human or rat insulin receptor or the rat IGF type 1 receptor.
Immunogen	3T3 cells over-expressing the IGF type 1 receptor.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	37-4
Purification	Purified from conditioned medium by Protein A affinity chromatography.
Conjugate	Unconjugated
Applications	IP, EIA Recommended concentration: IP: 1:5000 EIA: 1:5000 Each application and titre should be determined in house.
Preparation	The antibody was prepared by immunising mice with a preparation of 3T3 cells which

overexpress the IGF type 1 receptor.

Reconstitution	Dissolve in 200 µl phosphate buffered saline pH 7.4.
Format	Lyophilized
Size	200 µg
Preservative	None
Storage	At least 2 years at 2 - 4 °C (lyophilized). After reconstitution store at -20 °C or -80 °C. Avoid freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	IGF1R binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival.
Keywords	IGF1R;insulin-like growth factor 1 receptor;CD221;IGFIR;IGFR;JTK13

GENE INFORMATION

Gene Name	IGF1R
Entrez Gene ID	3480
UniProt ID	P08069