



Mouse Anti-Human IGF1R CT-1 (C terminal) Monoclonal Antibody, clone NBK2 (CABT- Z178M)

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

PRODUCT INFORMATION

Product Overview	Human IGF type 1 receptor antibody CT-1 (IGFR 1-2) is a mouse monoclonal antibody (IgG1) that binds to the C-terminal intracellular domain of the human and rat 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	The hexadecapeptide YRKNERALPLQSSTC conjugated to keyhole limpet haemocyanin.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	NBK2
Purification	Purified from conditioned medium by Protein A affinity chromatography.
Conjugate	Unconjugated
Applications	WB, IP, EIA Recommended concentration: WB: 1:5000 IP: 1:5000 EIA: 1:5000 Each application and titre should be determined in house.
Preparation	The antibody was prepared using the C-terminal hexadecapeptide of the human IGF type 1

receptor β -subunit (YRKNERALPLQSSTC).

Reconstitution	Dissolve in 100 μ l phosphate buffered saline pH 7.4.
Format	Lyophilized
Size	100 μ g
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