

SM1869P

Monoclonal Antibody to Calcitonin receptor (C1B Isoform) - Purified

Alternate names:	CALCR, CT-R, CTR
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	Calcitonin Receptor is a membrane protein with seven transmembrane domains that is coupled to G protein messenger systems. The calcitonin receptor is expressed in kidney, central and peripheral nervous systems and on osteoclasts. It is also expressed in a number of tissues during the development of the embryo and may be important in foetal morphogenesis.
Uniprot ID:	P32214
NCBI:	NP_001029187.1
GeneID:	116506
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	21/00
Immunogen:	Synthetic peptide derived from sequence of rat calcitonin receptor. Spleen cells from immunised mice were fused with cells of the mouse SP2/0 myeloma cell line.
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein A Buffer System: PBS Preservatives: 0.09% Sodium Azide
Applications:	ELISA: 1/1,000. Immunohistochemistry on Paraffin Sections: 1/50-1/500. This product does not require protein digestion pre-treatment of paraffin embedded sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin embedded sections. <i>Recommended Positive Control:</i> Tissue: Kidney. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes the calcitonin receptor. Clone 21/00 recognizes an epitope within extracellular domain that is unique to the C1b isoform.
Species Reactivity:	Tested: Rat.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

1. Tikellis C, Xuereb L, Casley D, Brasier G, Cooper ME, Wookey PJ. Calcitonin receptor isoforms expressed in the developing rat kidney. *Kidney Int.* 2003 Feb;63(2):416-26. PubMed PMID: 12631107.