Mouse anti-Human Parathyroid Hormone Receptor 1 Monoclonal Antibody

Mouse Anti-Parathyroid Hormone Receptor 1 [3D1.1]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59533	**Mouse**	**Human**	**Immunohistochemistry, Western Blot, Flow Cytometry, Functional Assay, ELISA**

PRODUCT SYNONYMS

Parathyroid Hormone Receptor 1; Monoclonal Antibody; Mouse Anti-Parathyroid Hormone Receptor 1 [3D1.1]; MGC138426 antibody; MGC138452 antibody; Parathyroid hormone 1 receptor antibody; Parathyroidhormone/parathyroid hormone related peptide receptor antibody; Parathyroid hormone/parathyroid hormone relatedprotein receptor antibody; Parathyroid hormone/parathyroid hormone-related peptide receptor antibody; PTH receptorantibody; PTH/PTHr receptor antibody; PTH/PTHrP receptor antibody; PTH/PTHrP type I receptor antibody; PTH1receptor antibody; PTH1R antibody; PTH1R_HUMAN antibody; PTHR 1 antibody; PTHR antibody; PTHR1antibody; anti-Parathyroid Hormone Receptor 1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Ig
Clone Number	3979
Specificity	reacts with the human Type I hPTH/PTHrP and it does not react with the Type II receptor
Purity/Purification	Protein G purified
Form/Format	Purified antibody in PBS + 0.1% sodium azide
Concentration	0.1mg/ml (varies by lot)
Applicable Applications for anti-Parathyroid Hormone Receptor 1 antibody	IHC (Immunohistochemistry), WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	23 amino acid peptide (corresponding to amino acids 146-169) of the hPTH/PTHrP receptor
Myeloma/fusion Partners	P3X63Ag8.653
Preparation and Storage	Store at 4°C for one month or in small aliquots at -20°C for longer periods. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Parathyroid Hormone Receptor 1 antibody	3D 1.1 reacts with the human Type I hPTH/PTHrP and it does not react with the Type II receptor. The antibody has been used in immunochemical studies of human ovarian tissues to demonstrate a novel role for PTH and/or PTHrP in ovarian function. 3D 1.1 recognises proteins with apparent molecular weights of 80,000 and 160,000 daltons in western blots of celllysates. Competitive binding assays show that the epitope recognized by 3D1.1 is localized to the C-terminal region of the immunogenic peptide. Furthermore, a corresponding peptide from the related PTH receptor (hPTH2) was shown to have minimal (0.1 %) cross reactivity. Finally, F ACS analysis has also been used to show that the antibody recognizes C-21 cells, but not parental BEK cells that express only the hPTH2 receptor. Immunohistochemical staining of fixed, paraffin-embedded tissue shows specific hPTHlPTHrP receptor expression in chondrocytes, renal tubular and glomerular epithelium, afferent and efferent renal arterioles (but not glomerulr endothelium), and vascular smooth muscle and endothelium. This finding confirms that 3 D 1.1 positively stains classical PTH target tissues.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/parathyroid-hormone-receptor-1-antibody-clone-3979-immunohistochemistry-western-blot-flow-cytometry-elisa/59533