

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### CaSR (A884) Peptide

Cat No.: BS1729P

#### Background

The calcium sensing receptor (CaSR) has been shown to play a major role in regulating parathyroid hormone secretion and subsequently influencing the calcium concentration of extracellular fluids. Based on sequence analysis of cDNA clones it appears that the CaSR is similar to the 7-transmembranedomain G-protein-coupled receptor superfamily. Changes in extracellular calcium are thought to modulate a balance between proliferation and differentiation in a variety of cell types. In normal primary keratinocytes and breast epithelial cells, proliferation is inhibited and elevated extracellular calcium levels trigger differentiation. Malignant transformations of these cell types are accompanied by a loss of responsiveness to the anti-proliferative effects of elevated extracellular calcium.

#### Swiss-Prot

P41180

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1729 CaSR (A884) pAb.

#### Purification & Purity

Synthetic peptide CaSR (A884). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.