Mouse monoclonal antibody to human Kallikrein-8 [2F11]: IgG

Catalogue No.:	M-891-100
Description:	Kalllikrein-8 is a serine protease capable of degrading several proteins such as casein, fibrinogen, kininogen, fibronectin and callagen type IV. It also cleaves L1CAM in response to increased neural activity. It induces neurite outgrowth and fasciculation of cultured hippocampal neurons. It plays a role in the formation and maturation of orphan and small synaptic boutons in the Schaffer-collateral pathway, regulates Schaffer-collateral long-term potentiation in the hippocampus and is required for memory acquisition and synaptic plasticity. It is involved in skin desquamation and keratinocyte proliferation. Plays a role in the secondary phase of pathogenesis following spinal cord injury. It is Inhibited by a range of serine protease inhibitors including antipain, aprotinin, leupeptin, benzamidine and soybean trypsin inhibitor. It is a secreted protein that has 4 named isoforms produced by alternative splicing. Isoform 1 is predominantly expressed in the pancreas while isoform 2 is expressed in adult brain and hippocampus. Both forms are also found in fetal brain and placenta. Displays an 11.5-fold increase in Alzheimer disease hippocampus compared to controls and is overexpressed in some ovarian carcinomas. Expressed at low levels in normal skin while high levels are found in psoriasis vulgaris, seborrheic keratosis, lichen planus and squamous cell carcinoma skin samples.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	Partial recombinant human Kallikrein-8 (97-2040) with a GST tag.
Clone:	2F11
Other Names:	hK8; Neuropsin; NP; Ovasin; Serine protease TADG-14; Tumor-associated differentially expressed gene 14 protein; Serine protease 19; KLK8; NRPN; PRSS19; TADG14
Accession:	KLK8_HUMAN
Produced in:	Mouse
Purity:	Protein G purified immunoglobulin
Applications:	This antibody is recommended for WB, immunofluorescence and sandwich ELISA. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Specificity has been confirmed by WB and direct ELISA against the antigen.
Cross-reactivity:	Human. Other species have not been tested.
Form:	Lyophilised from PBS pH 7.2
Reconstitution:	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution keep aliquots at -20C for higher stability or at 2-8C with an appropriate antibacterial agent. Glycerol (1:1) may be added for additional stability. Avoid repetitive freeze/thaw cycles.
Expiry Date:	12 months after purchase

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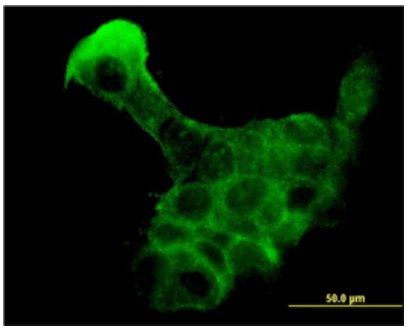

Immunofluorescent detection of Kallikrein-8 exression in human epidermoid carcinoma cells. The anti-Kallikrein-8 primary antibody, catalogue number M-891-100, was used at a concentration of 10 µg/ml.

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