

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Gastrokine 1 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse Gastrokine 1 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 665701
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Gastrokine 1 Asn35-Asn199 Accession # Q9NS71
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Gastrokine 1 (GKN1; also CA11 and AMP-18) is an 18 kDa member of the CA11 protein family. It has limited expression, being restricted to mucous secreting pyloric atrial epithelium. Gastrokine 1 appears to promote epithelial proliferation and migration, and induce the formation of tight junctions between epithelial cells. Mature human Gastrokine 1 is 165 amino acids (aa) in length. Based on the SwissProt sequence, it possesses one BRICHOS domain (aa 54-150) that contains a mitogenic sequence (aa 97-117). There is one potential alternative start site 14 aa upstream of the standard site that does not appear to be utilized. Over aa 21-185 (aa 35-199 of SwissProt), human Gastrokine 1 shares 65% aa identity with mouse Gastrokine 1.

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