

---

## GP2 / ZAP75 (Clone ZM189) Mouse Monoclonal Antibody

**Specificity:** Human, Mouse and Rat. Others not tested

**Immunogen:** Recombinant human GP2 protein fragment (around aa35-179)

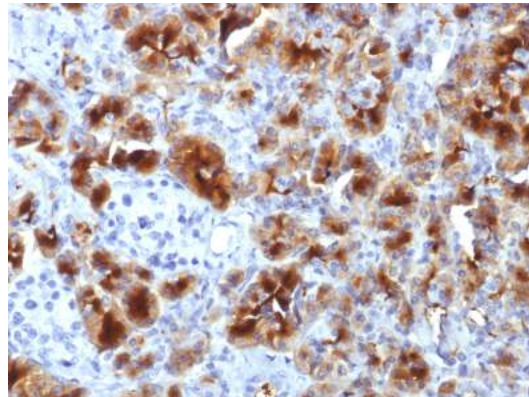
**Ig Class:** IgG2b/ $\lambda$

**Storage:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200; *Positive Control:* pancreas; *Cellular Localization:* Granular cytoplasmic. *Intended Use:* In Vitro Diagnosis (IVD).

**Description:** GP2 (glycoprotein 2), also known as ZAP75, is a 537 amino acid secreted protein. It is an integral membrane protein that is secreted from intracellular zymogen granules and associates with the plasma membrane via glycosylphosphatidylinositol (GPI) linkage. GP2 is cleaved and then released into the pancreatic duct along with exocrine secretions. GP2 binds pathogens such as enterobacteria, thereby playing an important role in the innate immune response. The C-terminus of this protein is related to the C-terminus of the protein encoded by the neighboring gene, uromodulin (UMOD). GP2 is also expressed on the apical plasma membrane of specialized microfold (M) cells among enterocytes and serves as a transcytotic receptor for mucosal antigens. M cells are considered a promising target for oral vaccination against various infectious diseases.

**Supplied As:** Tissue culture supernatant in 0.2% BSA and 15mM sodium azide.

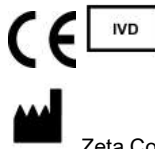


*Formalin-fixed, paraffin-embedded human pancreas stained with anti-granzyme B antibody using peroxidase-conjugate and DAB chromogen. Note cytoplasmic granular staining of ductal cells*

**Cat. #Z2502 (1.0 ml)**

---

**ZETA** Corporation  
65 N 1<sup>st</sup> Ave, Ste 202C  
Arcadia, CA 91006, USA  
Tel: (626) 355-2053  
<http://www.zeta-corp.com>



**Emergo Europe B.V.**  
Prinsessegracht 20  
2514 AP The Hague  
The Netherlands  
Tel: +31 70 345 8570