

Anti-Human Fibronectin Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98652-2-PBS

Basic Information

Catalog Number: 98652-2-PBS	GenBank Accession Number: NM_212482.4	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 2335	CloneNo.: 251989E9
Source: Rabbit	UNIPROT ID: P02751-15	
Isotype: IgG	Full Name: fibronectin 1	
Immunogen Catalog Number: EG5117	Calculated MW: 272 kDa	

Applications

Tested Applications:
IHC, IF/ICC, FC(intra)

Species Specificity:
human

Background Information

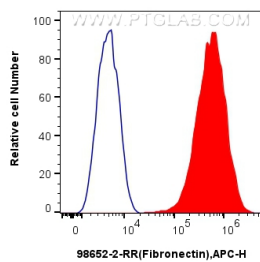
Fibronectin 1 (FN1) is a high molecular weight glycoprotein which exists in both a soluble form in plasma (plasma FN1) and other body fluids and an insoluble form in the extracellular matrix (cellular FN1). Plasma FN1 (dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited as fibrils in the extracellular matrix. FN1 binds to cell surfaces through integrins and to various compounds including collagen, fibrin and heparin. It is involved in cell adhesion and migration processes including embryogenesis, wound healing, hemostasis, host defense, and metastasis. (PMID: 7276612; 12244123; 12847088)

Storage

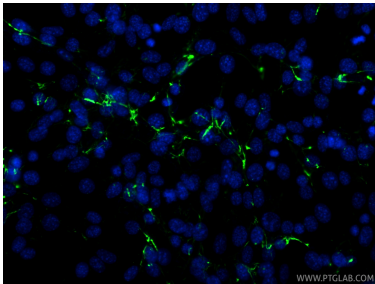
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

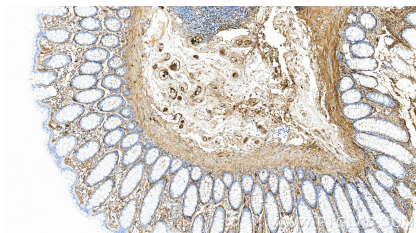
Selected Validation Data



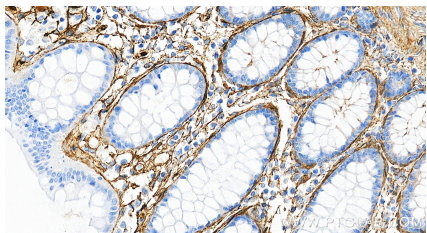
1x10⁶ MSCs(human mesenchymal stem cells) cells were stained with 0.25 ug Anti-Human Fibronectin Rabbit RecAb (98652-2-RR, Clone:251989E9) (red), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). This data was developed using the same antibody clone



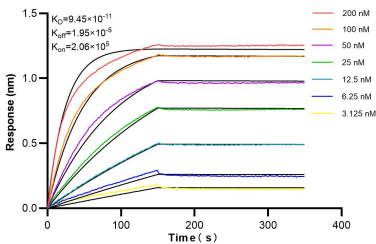
Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Fibronectin antibody (98652-2-RR, Clone: 251989E9) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 98652-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 98652-2-RR (Fibronectin antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 98652-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 98652-2-RR (Fibronectin antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 98652-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98652-2-RR against Human Fibronectin were performed. The affinity constant is 94.5 pM.