

## Anti-Fibronectin FN1 Monoclonal Antibody

Catalog Number: M00564

### About FN1

CD45R, also designated CD45 and PTPRC, has been identified as a transmembrane glycoprotein, broadly expressed among hematopoietic cells. Multiple isoforms of CD45R are distributed throughout the immune system according to cell type. These isoforms arise because of alternative splicing of exons 4, 5, and 6. The corresponding protein domains are characterized by the binding of monoclonal antibodies specific for CD45RA (exon 4), CD45RB (exon 5), CD45RC (exon 6) and CD45RO (exons 4 to 6 spliced out). The variation in these isoforms is localized to the extracellular domain of CD45R, while the intracellular domain is conserved. CD45RB is expressed on mature B-lymphocytes and the majority of lymphomas and leukemias of B-cell origin.

### Overview

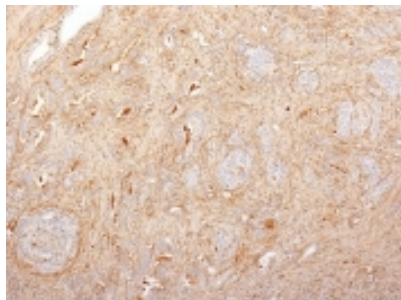
Product Name	Anti-Fibronectin FN1 Monoclonal Antibody
Reactive Species	Human, Mouse, Pig
Description	Boster Bio Anti-Fibronectin FN1 Monoclonal Antibody catalog # M00564. Tested in IF, IHC applications. This antibody reacts with Human, Mouse, Pig.
Conjugate	Biotin
Application	IF, IHC
Clonality	Monoclonal 2755-8.
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P02751

### Technical Details

Immunogen	T-cell lymphoma biopsy
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid

Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistology (Formalin-fixed) (0.5-1ug/ml for 30 minutes at RT)</p> <p>Immunofluorescence (0.5-1ug/ml)</p>

## Anti-Fibronectin FN1 Monoclonal Antibody (M00564) Images



Formalin-fixed, paraffin-embedded human Pancreatic Adenocarcinoma stained with Fibronectin Monoclonal Antibody (2755-8).

## 16 Publications Citing This Product

1. PubMed ID: 33564685, Zhang X, Ke PX, Yuan X, Zhang GP, Chen WL, Zhang GS. Forskolin Protected against Streptozotocin-Induced Diabetic Cardiomyopathy via Inhibition of Oxidative Stress and Cardiac Fibrosis in Mice. Biomed Res Int. 2021 Jan 29;2021:8881843. doi:10.1155/2021/8881843. PM
2. PubMed ID: 29038054, Characterization of roles of SpaA in Erysipelothrix rhusiopathiae adhesion to porcine endothelial cells
3. PubMed ID: 26973392, Pathophysiology of chronic pancreatitis induced by dibutyltin dichloride joint ethanol in mice

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