

HPi1 Monoclonal Antibody (HIC0-4F9)

Catalog NumberMA5-16126

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Mouse / IgG1	Published species	Human
Class	Monoclonal	Tested Applications	
Type	Antibody	Flow Cytometry (Flow)	Dilution *1:50-1:100
Clone	HIC0-4F9	Immunohistochemistry (Frozen) (IHC (F))	1:100
Immunogen	Human pancreatic enriched islet cells containing low levels of exocrine and ductal cells.	Immunocytochemistry (ICC/IF)	1:10-1:500
Conjugate	Unconjugated	Published Applications	
Form	Liquid	Immunocytochemistry (ICC/IF)	See 1 publications below
Concentration	1 mg/mL	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage buffer	tissue culture supernatant		
Contains	0.09% sodium azide		
Storage Conditions	4° C, do not freeze		

Background/Target Information

Stem cells offer a therapeutic promise for many diseases. In the case of diabetes, stem cells offer the promise that beta cells may be generated ex vivo for the possible transplantation and cure of Type I diabetes (Couri CE, et al.). For this to happen, stem cells will need to be isolated and expanded, they will need to be differentiated toward the beta cell lineage, and the differentiated cell progeny used for transplantation may need to be isolated from complex cell mixtures following differentiation. Appropriate markers targeting cell surface molecules on developing and mature pancreatic cells will be required for such research.

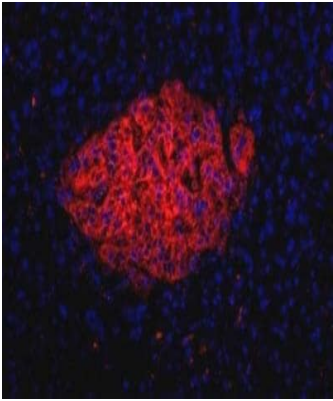
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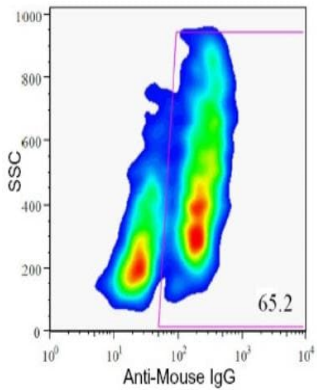
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Product Images For HPi1 Monoclonal Antibody (HIC0-4F9)



HPi1 Antibody (MA5-16126) in ICC/IF

Immunocytochemistry analysis of HPi1 in frozen section of human pancreas. Samples were incubated in HPi1 monoclonal antibody (Product # MA5-16126).



HPi1 Antibody (MA5-16126) in Flow

Flow cytometry of HPi1 in enzyme dispersed human pancreas cells. Samples were incubated in HPi1 monoclonal antibody (Product # MA5-16126).

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PubMed References For HPi1 Monoclonal Antibody (HIC0-4F9)

1 Immunocytochemistry References

Species / Dilution	Summary
Human / Not Cited	<p>MA5-16126 was used in Immunocytochemistry-immunoflourescence to demonstrate the size heterogeneity, number, architecture, cellular composition, and capillary density of human pancreatic islet.</p> <p>Diabetes (2019; 68: 1230)</p> <p>"Heterogeneity of the Human Pancreatic Islet."</p> <p>Author(s):Dybala MP,Hara M</p> <p>PubMed Article URL:http://dx.doi.org/10.2337/db19-0072</p>

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