

Monoclonal human antibody against HPA-5b (human platelet antigen 5b)

Product reference: DDX9021

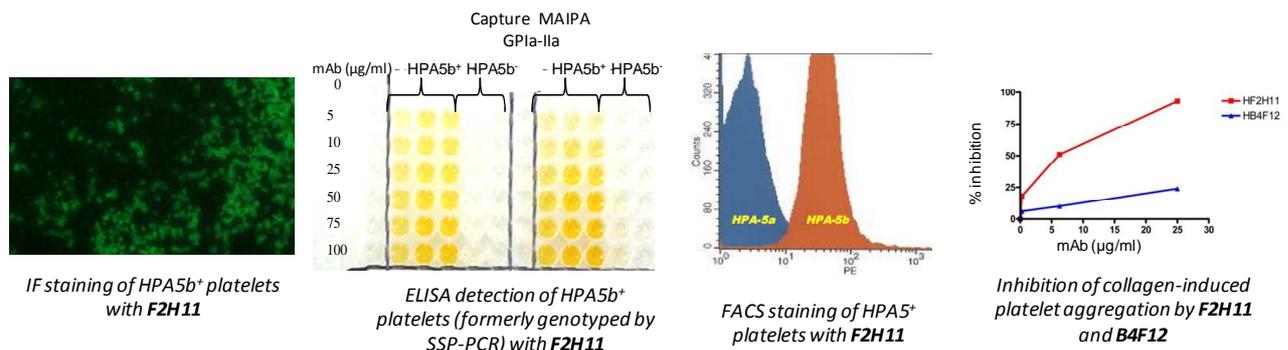
Description

Neonatal AlloImmune Thrombocytopenia (NAIT) is the commonest cause of severe isolated thrombocytopenia in the foetus and newborn. In Caucasians, 97% of NAIT are caused by HPA-1a or HPA-5b alloantibodies. By combining CD40 activation and Epstein-Barr virus transformation of B cells isolated from a woman with high titre of anti-HPA-5b alloantibodies, F2H11 human monoclonal antibody is highly specific (does not bind to HPA5a), and allows a rapid and accurate phenotyping of pregnant women as well as selection of blood donors. (*Mérieux Y, Rigal D, Pin JJ, XVIIth Regional Congress, International Society of Blood Transfusion, Madrid 2007 ; Guillot-Chene P, Lebecque S, Rigal D, Annales Pharmaceutiques Françaises, 06/2009, 67 (3) 182-6.*)

Clone:	F2H11
Specificity:	HPA5b (does not bind to HPA5a differing by a single amino acid)
Source:	CD40 activated and EBV immortalized human B lymphocytes
Isotype:	IgG1/λ
Purification:	QMA Hyper D ion exchange chromatography
Formulation/size:	Purified: 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8 Coupled: 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol

Available formats:

Reference N°		Format	Application tested
50µg	100µg		
DDX9021-P50	DDX9021-P100	Purified	Platelet phenotyping by flow cytometry, IF, ELISA, platelet aggregation studies
DDX9021-A488-50	DDX9021-A488-100	Alexa-fluor®488 (on request)	
DDX9021-A546-50	DDX9021-A546-100	Alexa-fluor®546 (on request)	
DDX9021-A647-50	DDX9021-A647-100	Alexa-fluor®647(on request)	
DDX9021-B-50	DDX9021-B-100	Biotin(on request)	



Usage recommendation:

- *This monoclonal antibody may be used between 5-25µg/ml.
- *Optimal dilution should be determined by each laboratory for each application.
- *Coupled antibody: to maintain RT before use.

Aliquot storage conditions: -20°C. **KEEP CONTENTS STERILE: no preservative.**
Purified antibodies: avoid repeated freeze/thaw cycles.
Coupled antibodies: glycerol protects from freezing.

Not for use in Humans. For research purpose only