DENDRITICS

Monoclonal human antibody against GPIa-IIa (human platelet antigen)

Product reference: DDX9022

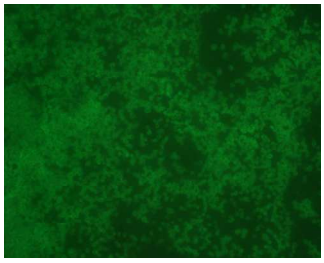
Description

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. B4F12 was isolated after combination of CD40 activation and Epstein-Barr virus transformation of B cells isolated from a woman with high titre of anti -HPA-5b alloantibodies. B4F12 human monoclonal antibody recognizes GPIa-IIa preferentially on activated human platelets *(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).*

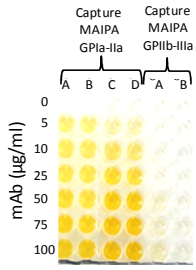
Clone: **B4F12**
Specificity: GPIa-IIa preferentially on acitvated platelets
Source: CD40 activated and EBV immortalized human B lymphocytes
Isotype: IgG1
Purification: QMA Hyper D ion exchange chromatography
Formulation/size: **Purified**: 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8
Coupled: 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol

Available formats:

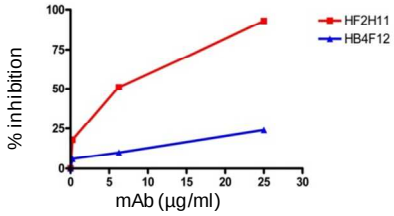
Reference N°		Format	Application tested
50µg	100µg		
DDX9022-P50	DDX9022-P100	Purified	IF, ELISA, preferential detection of activated platelet by flow cytometry, platelet aggregation studies
DDX9022-A488-50	DDX9022-A488-100	Alexa-fluor®488 (on request)	
DDX9022-A647-50	DDX9022-A647-100	Alexa-fluor®647(on request)	
DDX9022-B-50	DDX9022-B-100	Biotin(on request)	



*IF staining of human platelets with **B4F12***



*ELISA detection of human platelets with **B4F12***



*Inhibition of collagen-induced platelet aggregation by **F2H11** and **B4F12***

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.
<u>Purified</u> antibodies: avoid repeated freeze/thaw cycles.
<u>Coupled</u> antibodies: glycerol protects from freezing.

Not for use in Humans. For research purpose only

contact@dendritics.net **+33(0)4.72.71.74.03** **www.dendritics.net**