

Product datasheet for **DDX9021A488-100**

CD49b (ITGA2) Human Monoclonal Antibody [Clone ID: F2H11]

Product data:

Product Type: Primary Antibodies
Clone Name: F2H11
Applications: FC, IF
Recommended Dilution: **Immunocytochemistry/Immunofluorescence (ICC/IF), Flow Cytometry (F) .**

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.

Reactivity: Human
Host: Human
Isotype: IgG1
Clonality: Monoclonal
Immunogen: CD40 activated and EBV immortalized human B lymphocytes
Specificity: HPA5b (does not bind to HPA5a differing by a single amino acid).
Formulation: PBS, 50% glycerol

Label: Alexa Fluor 488

Concentration: lot specific
Purification: QMA Hyper D ion exchange chromatography
Conjugation: Alexa Fluor 488
Storage: **-20°C. KEEP CONTENTS STERILE: no preservative.**
Purified antibodies: avoid repeated freeze/thaw cycles.
Coupled antibodies: glycerol protects from freezing.

Gene Name: integrin subunit alpha 2
Database Link: [Entrez Gene 3673 Human](#)



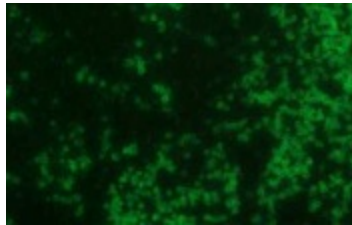
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Background:

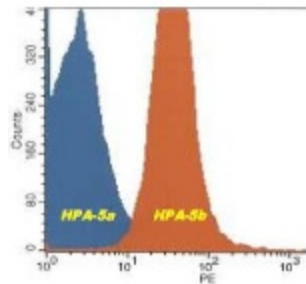
Neonatal Alloimmune Thrombocytopenia (NAIT) is the commonest cause of severe isolated thrombocytopenia in the foetus and newborn. In Caucasians, 97% of NAIT are caused by HPA-1a or HPA-5b alloantibodies. By combining CD40 activation and Epstein-Barr virus transformation of B cells isolated from a woman 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, XVII th 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.*)

Synonyms:

human platelet antigen 5b

Product images:

IF staining of HPA5b + platelets with F2H11



ACS staining of HPA5 + platelets with F2H11