DENDRITICS

Monoclonal Anti-human FDF03

Product reference: DDX0230

Description:

Human FDF03, is a novel member of the Ig superfamily expressed as a monomeric 44 kDa transmembrane glycoprotein and containing a single extracellular V-set Ig-like domain. Two potential secreted isoforms were also identified. FDF03 was mostly detected in hemopoietic tissues and was expressed by monocytes, macrophages, and granulocytes, but not by lymphocytes (B, T, and NK cells), indicating an expression restricted to the myelomonocytic lineage. FDF03 was also strongly expressed by monocyte-derived dendritic cells (moDC) and preferentially by $CD14^+/CD1a^-$ DC derived from $CD34^+$ progenitors. Moreover, flow cytometric analysis showed FDF03 expression by $CD11c^+$ blood and tonsil DC, but not by $CD11c^-$ DC precursors. The FDF03 cytoplasmic tail contained two immunoreceptor tyrosine-based inhibitory motifs (ITIM)-like sequences. Human FDF03 is a novel ITIM-bearing receptor selectively expressed by cells of myeloid origin, including DC, which may regulate functions other than that of the broadly distributed LAIR-1/p40 molecule. (*Fournier N et al, 2000; J. Immunol., 165(3):1197-1209).*

Clone:	**36H2**
Species:	rat
Specificity:	human FDF03
Immunogen:	human recombinant FDF03- Ig fusion protein
Species cross-reactivity:	nd
Isotype:	IgG2a
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 200µl / 50 µg in 100 µl PBS 50% glycerol

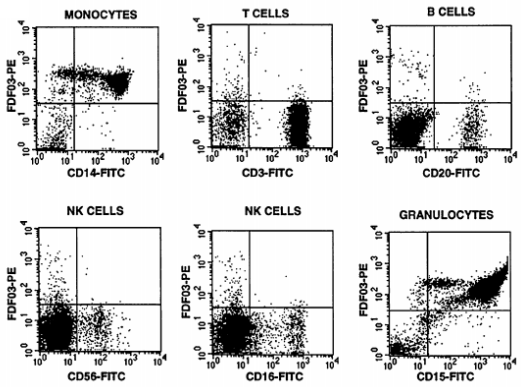
Available formats:

Reference N°		Format	Application tested
50 µg	100 µg		
DDX0230P-50	DDX0230P-100	Purified	Surface Flow cytometry, WB, IP
DDX0230A488-50	DDX0230A488-100	Alexa-fluor®488	Surface Flow cytometry, IF
DDX0230A546-50	DDX0230A546-100	Alexa-fluor®546	Surface Flow cytometry, IF
DDX0230A647-50	DDX0230A647-100	Alexa-fluor®647	Surface Flow cytometry, IF
DDX0230B-50	DDX0230B-100	Biotin	WB

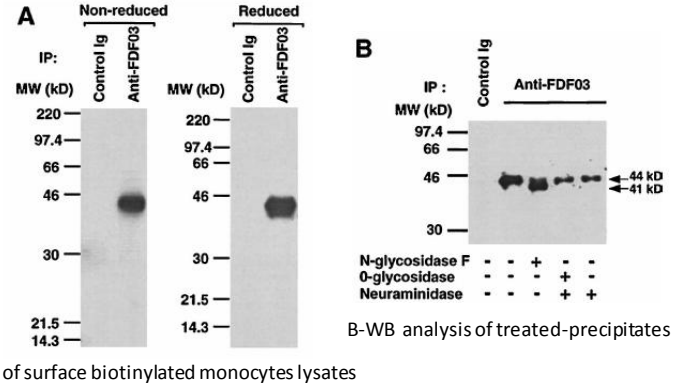
Other clones available on request

Applications tested: Flow cytometry, IP, WB, IF

Surface FACS staining of human PBMC



FDFO3 is a cell-surface monomeric glycoprotein



A-IP of surface biotinylated monocytes lysates

B-WB analysis of treated-precipitates

Fournier N et al, JI 2000

Usage recommendation:

*****This monoclonal antibody may be used between 5-20 µg/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

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