

Product Datasheet

CD142 Antibody (orb402784)

Catalog Number	orb402784
Category	Antibodies
Description	Mouse monoclonal antibody to Tissue factor
Target	CD142
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Conjugation	Unconjugated
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Purification	Purified by protein-A affinity chromatography.
Immunogen	Human brain tissue factor (CD142)
UniProt ID	P13726
Tested applications	FC, ICC, IHC-P, WB
Application notes	Flow cytometry: Recommended dilution: 3-12 µg/ml. Western blotting: Recommended dilution: 1-2 µg/ml.

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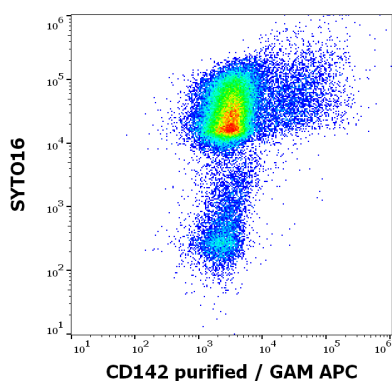
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Specificity	The mouse monoclonal antibody HTF-1, also known as HTF1-7B8, recognizes an extracellular epitope of CD142 (tissue factor, coagulation factor III), a type I glycoprotein expressed on endothelial cells, monocytes, macrophages, and platelets upon induction by inflammatory mediators, and expressed constitutively by some tumors, the vasculature, placenta, kidney, and central nervous system.
Antibody Type	Primary Antibody
Clone Number	HTF-1
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	2152
Expiration Date	12 months from date of receipt.



Flow cytometry multicolor surface staining pattern of human PHA stimulated peripheral blood mononuclear cells using anti-human CD142 (HTF-1) purified antibody (concentration in sample 4 µg/ml, GAM APC) and SYTO 16.

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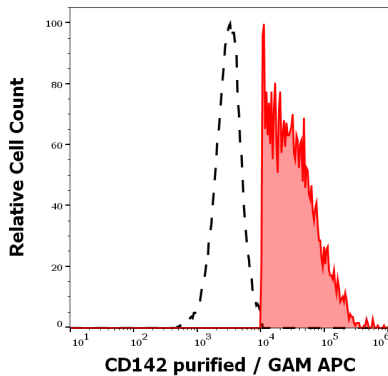
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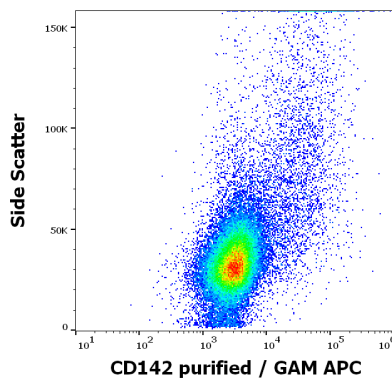
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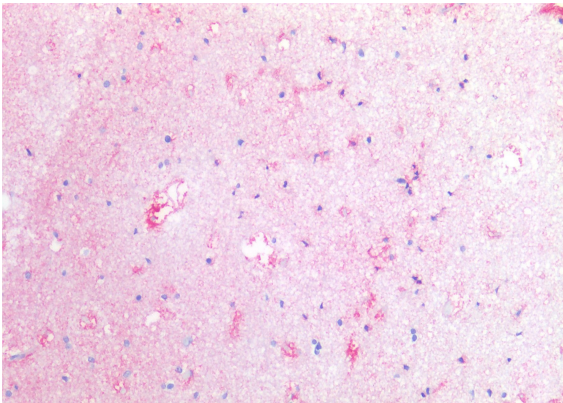
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Separation of human CD142 positive lymphocytes (red-filled) from CD142 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human PHA stimulated peripheral blood mononuclear cells stained using anti-human CD142 (HTF-1) purified antibody (concentration in sample 4 µg/ml, GAM APC).



Flow cytometry surface staining pattern of human PHA stimulated peripheral blood mononuclear cells stained using anti-human CD142 (HTF-1) purified antibody (concentration in sample 4 µg/ml, GAM APC).



Immunohistochemistry staining of human cortex (paraffin-embedded sections) with anti-CD142 (HTF-1), 10 µg/ml.

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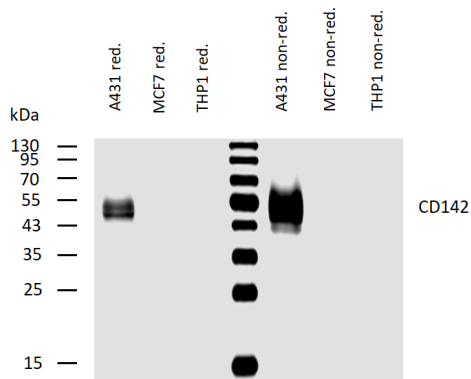
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Western blotting analysis of human CD142 using mouse monoclonal antibody HTF-1 on lysates of A431 cell line and MCF7 and THP1 cell lines (negative controls) under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-CD142 monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. CD142 was detected around 50 kDa.

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