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30-2855: Anti-Human CD354 MAb (Clone: 6B1)

Clonality :	Monoclonal
Clone Name :	6B1
Application :	ELISA,FACS,WB
Reactivity :	Human
Gene :	TREM1
Gene ID :	54210
Uniprot ID :	Q9NP99
Alternative Name :	TREM1
Isotype :	Mouse IgG1
Immunogen Information :	recombinant human CD354 fused with IgG

Description

Specificity: The mouse monoclonal antibody 6B1 (also known as 6B1.1G12) recognizes an extracellular epitope of human CD354 (TREM-1), a transmembrane glycoprotein, serving as an important innate immunity receptor.

CD354 (TREM-1), a cell surface glycoprotein expressed mainly on monocytes, macrophages, and neutrophils, but also on e.g. endothelial cells or bronchial epithelium, plays an important role in innate immune responses. Upon triggering by its ligands (mainly bacterial and fungal components, but also some viruses, such as Marburg or Ebola virus), it initiates signaling cascades leading to release of pro-inflammatory cytokines and chemokines. CD354 is strongly present in infectious inflammatory lesions (e.g. in folliculitis or impetigo), but not so much in non-infectious inflammatory lesions, (e.g. vasculitis or psoriasis). However, under certain conditions neutrophils can upregulate CD354 also under non-infectious inflammatory conditions, e.g. in rheumatoid arthritis. Soluble CD354 (sTREM-1) is an important biomarker for identification of septic patients, as well as for prediction of their survival.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	1 mg/ml
Storage condition :	Store at 2-8°C. Do not freeze. Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml.

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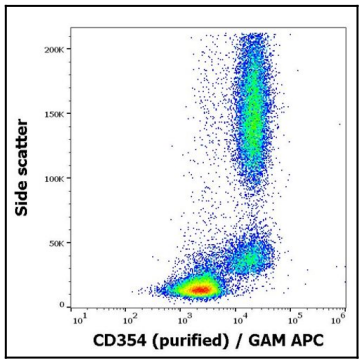


Fig1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD354 (6B1) purified antibody (concentration in sample 1,67 Î¼g/ml, GAM APC).

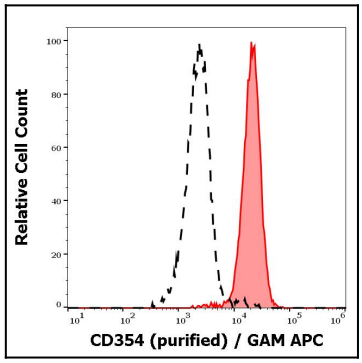


Fig2: Separation of human neutrophil granulocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD354 (6B1) purified antibody (concentration in sample 1,67 Î¼g/ml, GAM APC).

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