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30-2833PE: PE Conjugated Anti-Hu CD118 (Clone: 12D3)

Clonality :	Monoclonal
Clone Name :	12D3
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	LIFR
Gene ID :	3977
Uniprot ID :	P42702
Format :	Purified
Alternative Name :	LIF receptor subunit alpha LIFR alpha, SWS, SJS2, STWSm, gp190
Isotype :	Mouse IgG1 kappa
Immunogen Information :	human recombinant soluble CD118-Fc

Description

CD118 (LIFR alpha) is a type I transmembrane glycoprotein of the cytokine receptor family, which associates noncovalently with CD130 to form the functional high affinity LIF receptor, which also acts as an oncostatin M receptor. CD118 alone binds LIF with low affinity. A secreted form of CD118 results from alternative splicing, and may have inhibitory effect, as it also binds LIF, although with low affinity. CD118 is not expressed on lymphocytes, but it is widely expressed outside the immune system. Soluble CD118 level rises during pregnancy, in parallel with a drop in circulating LIF levels.
Specificity :The mouse monoclonal antibody 12D3 recognizes an extracellular epitope of CD118, a transmembrane glycoprotein, which associates with CD130 to form the functional high affinity LIF receptor.

Product Info

Amount :	0.1 mg
Purification :	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Concentration: 0.1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4
Storage condition :	Store at 2-8°C protected from light. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 4-10 µg/ml.

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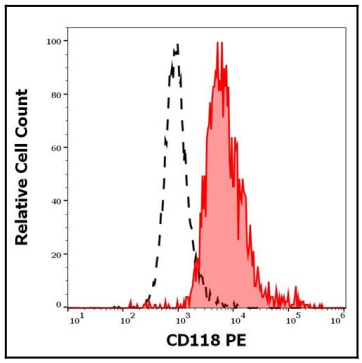

Figure 1: Separation of JAR cells stained using anti-human CD118 (12D3) PE antibody (concentration in sample 15 µg/ml, red-filled) from JAR cells stained using mouse IgG1 isotype control (MOPC-21) PE antibody (concentration in sample 15 µg/ml, same as CD118 PE concentration, black-dashed) in flow cytometry analysis (surface staining) of JAR cell suspension.

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