

## Anti-GM-CSFR alpha Antibody-FITC (5S90)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	FITC
Clone:	5S90
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of anti-human GM-CSFR $\alpha$ (CD116) on human peripheral blood monocytes. The fluorescence histograms were derived from events with the forward and side light-scatter characteristics of viable monocytes.
Application:	FCM
Recommended	10 $\mu$ l/Test, 0.1 mg/ml

## Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human CD116 / GM-CSFR protein (TMPY-01065)
Antigen Species:	Human
Synonyms:	CSF2R;CSF2RY;CDw116;SMDP4;GMCSFR;CSF2RAY;colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage);GM-CSF Receptor $\alpha$ Protein;CD116;GM-CSF-R-alpha;CSF2RAX;CSF2RX;GM-CSF-R- $\alpha$ ;colony stimulating factor 2 receptor, $\alpha$ , low-affinity (granulocyte-macrophage);GMR

## Research Background

CD116/GM-CSFR has been preferentially associated with M4, M5 subtype of AML but is not specific. The cluster of differentiation (cluster of designation) (often abbreviated as CD) is a protocol used for the identification and investigation of cell surface molecules present on white blood cells initially but found in almost any kind of cell of the body, providing targets for immunophenotyping of cells. Physiologically, CD molecules can act in numerous ways, often acting as receptors or ligands (the molecule that activates a receptor) important to the cell. A signal cascade is usually initiated, altering the behavior of the cell (see cell signaling). Some CD proteins do not play a role in cell signaling, but have other functions, such as cell adhesion. CD116/GM-CSFR is the alpha subunit of the heterodimeric receptor for colony stimulating factor 2, a cytokine which controls the production, differentiation, and function of granulocytes and macrophages. The encoded protein is a member of the cytokine family of receptors. CD116/GM-CSFR is found in the pseudoautosomal region (PAR) of the X and Y chromosomes.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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