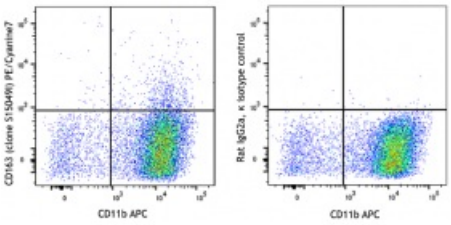
SONY

Product Data Sheet

PE/Cyanine7 anti-mouse CD163

Catalog # / Size:	1376600 / 100 µg 1376595 / 25 µg
Clone:	S15049I
Isotype:	Rat IgG2a, κ
Immunogen:	Recombinant mouse CD163 extracellular domain
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.2 mg/mL



C57BL/6 mouse bone marrow cells were stained with CD11b APC and anti-mouse CD163 (clone S15049I) PE/Cyanine7 (left) or rat IgG2a, κ PE/Cyanine7 isotype control (right). Data shown were from myeloid population. Monocyte blocker was used to reduce background.

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Description: CD163 is a member of the group B scavenger receptor cysteine-rich superfamily, also known as GHI/61, M130, RM3/1, p155, hemoglobin-haptoglobin complex receptor, or macrophage-associated antigen. It is a 134 kD (non-reduced)/155 kD (reduced) glycoprotein primarily expressed on macrophages, Kupffer cells, monocytes, a subset of dendritic cells, and a subset of hematopoietic stem/progenitor cells. CD163 binds to haptoglobin-hemoglobin complex and TWEAK, and plays a role in clearing hemoglobin and regulating cytokine production by macrophages. Membrane CD163 can be cleaved by metalloproteinases (MMP), resulting in a soluble form. Elevated serum level of sCD163 has been implicated in many kinds of inflammatory diseases.