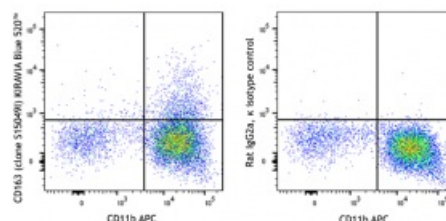


# KIRAVIA Blue 520™ anti-mouse CD163

<b>Catalog # /</b>	1376585 / 25 µg
<b>Size:</b>	1376590 / 100 µg
<b>Clone:</b>	S15049I
<b>Isotype:</b>	Rat IgG2a, κ
<b>Immunogen:</b>	Recombinant mouse CD163 extracellular domain
<b>Reactivity:</b>	Mouse
<b>Preparation:</b>	The antibody was purified by affinity chromatography and conjugated with KIRAVIA Blue 520™ under optimal conditions.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
<b>Concentration:</b>	0.2 mg/mL



C57BL/6 mouse bone marrow cells were stained with CD11b APC and anti-mouse CD163 (clone S15049I) KIRAVIA Blue 520™ (left) or rat IgG2a, κ KIRAVIA Blue 520™ isotype control (right). Data shown were from myeloid population.

## 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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* KIRAVIA Blue 520™ has an excitation maximum of 495 nm, and a maximum emission of 520 nm.

**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.