



Anti-CD163 monoclonal antibody, clone 2A10/11 [FITC] (CABT-47164MP)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Pig CD163 antibody, clone 2A10/11 recognises porcine CD163, a 120kD single pass type 1 transmembrane cell surface glycoprotein expressed on cells of the monocyte/macrophage lineage. The expression levels of CD163 vary during the course of macrophage differentiation. The highest levels of CD163 expression are found on tissue macrophages but bone marrow derived cells are CD163 negative. Expression of CD163 on peripheral blood monocytes varies between about 5% and 50% depending on the donor. Mouse anti Pig CD163, clone 2A10/11 is reported to inhibit both African swine fever infection and viral particle binding to alveolar macrophages in a dose-dependent manner. Flow Cytometry Use 10ul of the suggested working dilution to 1x10⁶ cells in 100ul.

Specificity	CD163
Immunogen	Porcine alveolar macrophages.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Pig
Clone	2A10/11
Conjugate	FITC
Applications	FC
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Size	100 µg
Preservative	See individual product datasheet

Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD163 CD163 molecule [Sus scrofa (pig)]
Official Symbol	CD163
Synonyms	CD163; CD163 molecule; scavenger receptor cysteine-rich type 1 protein M130;
Entrez Gene ID	397031
Protein Refseq	NP_999141.1
UniProt ID	Q2VL90
Function	scavenger receptor activity; virus receptor activity;