IHCAb™ CD163 (BGT-CD163) mouse mAb

Cat #: B-IMW6146

Size: 100 μL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

The protein encoded by this gene is a member of the scavenger receptor cysteine-rich (SRCR) superfamily, and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Product Information

Applications/Dilution: IHC-p 1:100-500. IF 1:50-200

Isotype/Source: Mouse, Monoclonal/IgG1, Kappa

Specificity: This antibody detects endogenous levels of human CD163. Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH8.0 was highly recommended as antigen repair method in paraffin section

Subcellular Location: [Soluble CD163]: Secreted .; Cell membrane ; Single-pass type I membrane protein . Isoform 1 and isoform 2 show a lower surface expression when expressed in cells

Expression: Expressed in monocytes and mature macrophages such as Kupffer cells in the liver, red pulp macrophages in the spleen, cortical macrophages in the thymus, resident bone marrow macrophages and meningeal macrophages of the central nervous system. Expressed also in blood. Isoform 1 is the lowest abundant in the blood. Isoform 2 is the lowest abundant in the liver and the spleen. Isoform 3 is the predominant isoform detected in the blood.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
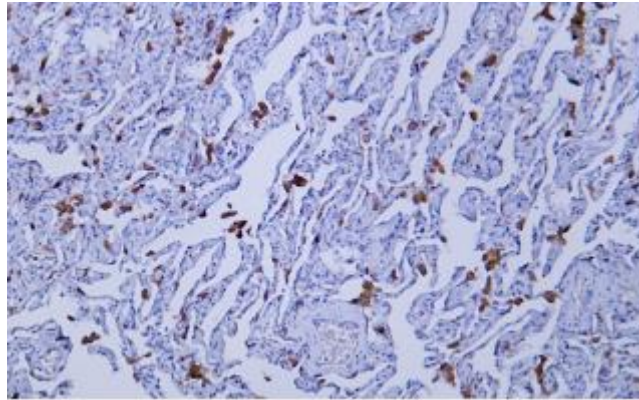
Storage: Store at -15°C to -25°C

Fig. Human lung tissue was stained with anti-CD163 (BGT-CD163) antibody.

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.