

Product Datasheet

www.leinco.com



Anti-Human CD151 Purified *in vivo* GOLD™ Functional Grade Monoclonal Antibody

Product Information

Product No.: C2039
Clone: 50-6
RRID: AB_2829117
Isotype: Mouse IgG1 κ
Storage: Sterile 2-8°C

Product Description

Specificity:

Clone 50-6 recognizes an epitope on human CD151.

Antigen Distribution:

CD151 is found on immature hematopoietic cells, megakaryocytes, platelets, keratinocytes, epithelial cells, muscle cells, Schwann cells, vascular endothelium, and activated T-cells.

Background:

CD151 is a 29 kD cell surface glycoprotein that is a member of the transmembrane 4 superfamily (tetraspanin family), which is characterized by cell-surface proteins consisting of four hydrophobic domains that mediate signal transduction events involved in the regulation of cell development, activation, growth and motility. CD151 is known to complex with integrins and other transmembrane 4 superfamily proteins and is involved in cell adhesion, migration, and tumor cell metastasis.

Known Reactivity Species:

Human

Format:

in vivo GOLD™, Purified *in vivo* Functional Grade

Immunogen:

Human epidermoid carcinoma cell line HEp-3

Formulation

This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Purity

≥95% monomer by analytical SEC, >95% by SDS Page

Endotoxin

< 1.0 EU/mg as determined by the LAL method

Storage and Stability

Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at ≤ -70°C. **Avoid Repeated Freeze Thaw Cycles.**

Product Preparation

Functional grade preclinical antibodies are manufactured in an animal free facility using *in vitro* cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

410 Axminister Dr, St. Louis, MO 63026

(800) 538-1145

leincoglobal@leinco.com

Product Datasheet

www.leinco.com



FC The suggested concentration for this 50-6 antibody for staining cells in flow cytometry is $\leq 1 \mu\text{g}$ per 10^6 cells in a volume of 100 μl or 100 μl of whole blood. Titration of the reagent is recommended for optimal performance for each application.

Other Applications Reported in Literature:

B

CyTOF®

ICC

WB

Country of Origin

USA

References

1. Testa, et. al., *Cancer Research*. 59:3812-3820, 1999

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

410 Axminister Dr, St. Louis, MO 63026

(800) 538-1145

leincoglobal@leinco.com