Mouse anti CD66c Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** CD66c
- **Catalogue:** 605-450
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** ASL-32
- **Application:** IHC(P), FC
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human CD66c

BACKGROUND

Carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen) (CD66c) is a member of the carcinoembryonic antigen (CEA) family.T his heavily glycosylated molecule consists of two constant Ig-like domains and one variable Ig-like domain and it is anchored to the membrane via its glycosylphosphatidylinositol (GPI). Within the hematopoietic system, CD66c expression is limited to granulocytes and its precursors,where it serves homotypic and heterotypic adhesion, Ca2+ mediated signaling and is markedly upregulated from intracellular stores after activation. The stable expression pattern of CD66c has clinical value in B-acute lymphoblastic leukemia not only in the recognition of abnormal leukemia cells at primary diagnosis but also in monitoring of minimal residual disease during the treatment. Members of this family are widely used as tumor markers in serum immunoassay determinations of carcinoma. CD66c is expressed on normal mucosal epithelia of colon and also seen in normal lung, granulocytes and cancers of epithelial cell origin. CD66c shows differential expression with membrane positivity in normal colorectal epithelial cells and cytoplasmic expression in tumour cells. CD66c can be specifically used for colon carcinoma and may be a novel marker in colon carcinoma stem cell isolation.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human CD66c protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: 0.5-5 µg/106 cells
- Molecular Weight: 90.0
- Positive Control: Kidney Tissue

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com

• Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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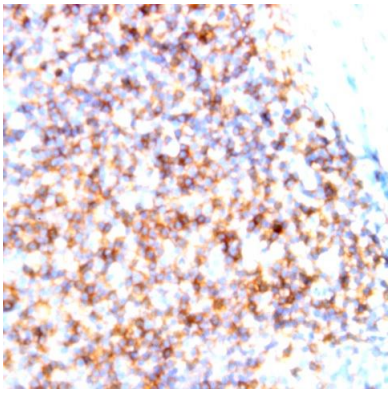
DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti-CD66 (Cat# 605-450) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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