

anti-human CD13 (no azide)

Monoclonal antibody WM-15 to human CD13

Cat-No: **21270130**

100 µg in 100 µl

Clone: WM-15

Specificity: The antibody recognises the human CD13 cell surface glycoprotein, a 150 kDa molecule expressed on granulocytes, endothelial cells, epithelial cells and myeloid progenitors.

HLDA III; WS Code M 213

HLDA IV; WS Code M 44

HLDA IV; WS Code M 209

HLDA V; WS Code M MA191

Immunogen: Human AML cells

Isotype subclass: Mouse IgG1

Form: Purified from ascites by protein-A affinity chromatography.

Purity: > 95% (by SDS-PAGE)

Physical state: Liquid

Buffer/Additives/Preservative: PBS (sterile), (pH 7.4)

Expiration date: The reagent is stable until the expiry date stated on the vial label

Storage conditions: Aliquot and store at -20°C. Avoid freeze/thaw cycles. Should be handled under aseptic conditions.

Application: Flow Cytometry

Immunoprecipitation

Immunohistochemistry (frozen sections)

Functional application: The antibody WM15 inhibits infection of cells by human coronavirus and inhibits aminopeptidase N activity of the CD13 molecule immunoprecipitates.

Background: CD13 (aminopeptidase N, APN) is a 150 kDa type II transmembrane zinc-binding ectopeptidase expressed on various cell types. This metalloprotease preferentially catalyzes removal of neutral amino acids from small peptides, thus activating or inactivating bioactive peptides. CD13 has also role in extracellular matrix degradation, antigen processing and signal transduction, is important in inflammatory responses, regulates intercellular contact, cell motility and vascularization. CD13 is involved in protection of leukemic cells against apoptosis and its expression associated with poor prognosis of carcinomas.

References: Favaloro E.J. et al., Immunol. Cell Biol. 69, 253 (1991).

Favaloro E.J. et al., Clin. Chim. Acta 220, 81 (1993).

Favaloro E.J. et al., Exp. Haematol. 21, 1695 (1993).

Leucocyte Typing V. Schlossmann S. et al. (Eds.), Oxford University Press (1995).

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

ImmunoTools Excellent Quality - Advantageously priced

ImmunoTools GmbH - Altenoyther Str. 10; 26169 Friesoythe; Germany

Tel +49-(0)4491-400997, Fax +49-(0)4491-400998, info@immunotools.com

www.immunotools.com