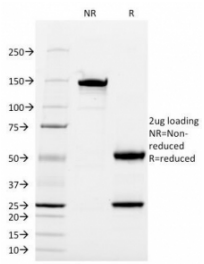
CD13 Antibody WM15 / Myeloid Antigen Antibody [clone WM15] (V2556)

Catalog No.	Formulation	Size
V2556-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2556-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2556SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (11)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	WM15
Purity	Protein G affinity chromatography
UniProt	P15144
Localization	Cell surface, cytoplasmic
Applications	Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml
Limitations	This CD13 Antibody WM15 / Myeloid Antigen Antibody is available for research use only.



Purified CD13 Antibody WM15 SDS-PAGE. Electrophoretic analysis of purified, BSA-free CD13 Antibody WM15 / Myeloid Antigen Antibody was performed to evaluate antibody integrity and purity. The purified antibody preparation demonstrates the expected immunoglobulin protein profile under the tested conditions.

Description

CD13 Antibody WM15 / Myeloid Antigen Antibody recognizes CD13, a 150 kDa cell surface glycoprotein encoded by the ANPEP gene. Also known as aminopeptidase N (APN), CD13 is a membrane-bound zinc-dependent metalloprotease that removes N-terminal amino acids from peptides and contributes to the metabolism of biologically active peptides. CD13 is expressed on numerous cell types, including granulocytes, monocytes, myeloid progenitors, endothelial cells and epithelial cells of the renal proximal tubules and intestinal brush border.

Within the hematopoietic system, CD13 is an established myeloid antigen expressed on most cells of myeloid origin. It is also frequently expressed in acute myeloid leukemia and chronic myeloid leukemia during myeloid blast crisis, while normal lymphocytes, platelets and erythrocytes generally lack CD13 expression. This lineage-associated distribution has made CD13 useful for research into myeloid cell differentiation, hematopoiesis and hematologic malignancies. Beyond its role as a cellular marker, ANPEP/CD13 participates in peptide metabolism, phagocytosis and other processes associated with immune and cellular function.

Clone WM15 is a well-established mouse monoclonal antibody generated using human AML cells as the immunogen. It recognizes an extracellular epitope of human CD13, making the clone particularly relevant to studies examining cell surface expression of this myeloid antigen. WM15 has an extensive history of use in published research, and independent characterization has also established its use for flow cytometric detection of CD13.

This purified mouse IgG1 monoclonal antibody is validated for flow cytometry and immunofluorescence detection of human CD13. NSJ Bioreagents provides this CD13 Antibody for research into ANPEP expression, myeloid differentiation, hematologic malignancies and related cellular biology. A Myeloid Antigen Antibody targeting CD13 can support studies examining the expression and cell surface distribution of this widely studied myeloid marker.

For additional information and reagents targeting this cell surface metalloprotease and myeloid marker, visit our CD13 Antibody / Myeloid Cell Marker page.

Application Notes

Optimal dilution of the CD13 Antibody WM15 / Myeloid Antigen Antibody should be determined by the researcher.

Immunogen

Human AML cells were used as the immunogen for the CD13 Antibody WM15.

Storage

Store the CD13 Antibody WM15 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

CD13 antibody, WM15 antibody, ANPEP antibody, aminopeptidase N antibody, APN antibody, myeloid antigen CD13 antibody

Copyright © NSJ Bioreagents. All rights reserved.