

Product datasheet for **AM08161RP-N**

CD51 (ITGAV) Mouse Monoclonal Antibody [Clone ID: 13C2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	13C2
Applications:	FC
Recommended Dilution:	Flow Cytometry: 10 µL/10e6 cells.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD43.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE State: Liquid purified Ig fraction. Label: R-Phycoerythrin
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha V
Database Link:	Entrez Gene 3685 Human P06756



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Background:

CD43 is one of the major glycoproteins of thymocytes and T lymphocytes, it plays a role in the physicochemical properties of the T cell surface and in lectin binding. CD43 presents carbohydrate ligands to selectins. It has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. The antigen is a counter receptor for SN/Siglec1. During T cell activation CD43 is actively removed from the T cell antigen presenting cell contact site suggesting a negative regulatory role in adaptive immune response.

CD43 is expressed by the majority of leucocytes, with the exception of most B cells. However CD43 expression is seen in some cases of B cell lymphocytic lymphoma and centrocytic lymphoma.

Synonyms:

Integrin alpha-V, MSK8, VNRA, Vitronectin receptor subunit alpha