

Datasheet for ABIN7655398
anti-CD51 antibody (CF®647)



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Overview

Quantity:	100 µL
Target:	CD51 (ITGAV)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD51 antibody is conjugated to CF®647
Application:	Please inquire

Product Details

Purpose:	CD51 / Integrin V(ITGAV/1610), CF647 conjugate
Immunogen:	Recombinant human full-length integrin alpha V beta 1 protein
Clone:	ITGAV-1610
Isotype:	IgG1, kappa
Characteristics:	Integrins are heterodimers composed of noncovalently associated transmembrane both receptor clustering and ligand occupancy are necessary for the activation of integrin-mediated responses. In addition to mediating cell adhesion and cytoskeletal organization, integrins function as signaling receptors. Signals transduced by integrins play a role in many biological processes, including cell growth, differentiation, migration and apoptosis. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because

Product Details

blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	CD51 (ITGAV)
Alternative Name:	CD51
Background:	Synonyms: antigen identified by monoclonal antibody L230, CD 51, CD51, DKFZp686A08142, Integrin alpha five, integrin alpha V beta 3, Integrin alpha-5, integrin alpha-V, Integrin alpha-V light chain, integrin alphaVbeta3, integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51), ITAV_HUMAN, ITGAV, MSK 8, Msk8, Vitronectin receptor subunit alpha, VNRA, VTNR Gene Symbol: ITGAV
Molecular Weight:	150-160 kDa under non-reducing conditions. Under reducing conditions, it is cleaved into 2 bands of about 125-130 kDa 20-25 kDa.
Gene ID:	3685
UniProt:	P06756
Pathways:	Cell-Cell Junction Organization , Signaling Events mediated by VEGFR1 and VEGFR2 , Growth Factor Binding , Integrin Complex

Application Details

Application Notes:	For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µL for flow cytometry
Comment:	Positive Control: Squamous cells, A375M melanoma cells. A549 cells.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL

Handling

Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months