

Datasheet for ABIN6940026

anti-CD46 antibody[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	CD46
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD46 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Functional Studies (Func)

Product Details

Immunogen:	Recombinant human CD46 protein
Clone:	122-2
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CD46
Alternative Name:	CD46 (CD46 Products)
Background:	CD46 acts as a cofactor for complement factor I, a serine protease, which protects autologous cells against complement-mediated injury by cleaving C3b and C4b deposited on host tissue. It may be involved in the fusion of the spermatozoa with the oocyte during fertilization. CD46 acts as a co-stimulatory factor for T-cells, which induces the differentiation of CD4+ into T-

Target Details

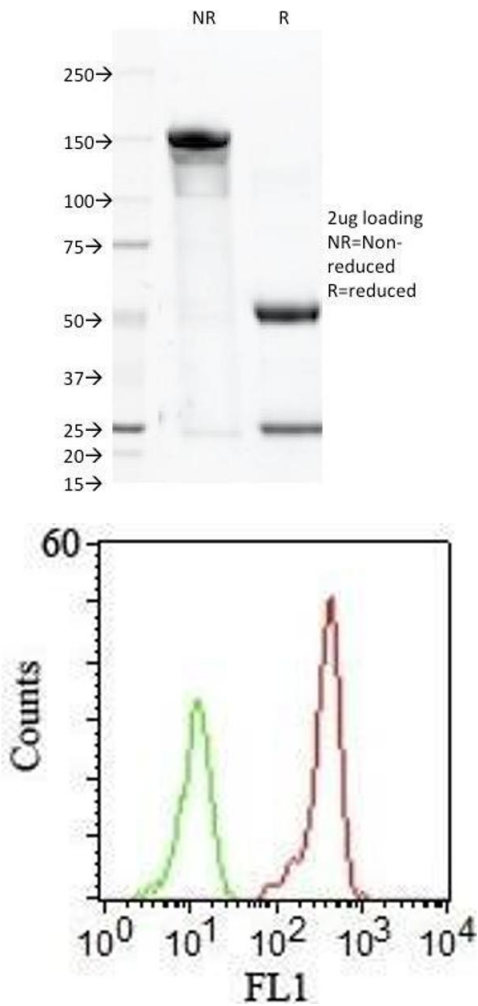
	regulatory 1 cells. T-regulatory 1 cells suppress immune responses by secreting interleukin-10, and therefore are thought to prevent autoimmunity. A number of viral and bacterial pathogens seem to exploit this property and directly induce an immunosuppressive phenotype in T-cells by binding to CD46.
Molecular Weight:	56-66kDa
Gene ID:	4179
UniProt:	P15529
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Positive Control: HeLa, K-562 or MOLT-4 cells. Kidney. Known Application: Functional Studies (Order Ab without Azide), Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % 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.
Storage:	4 °C, -80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD46 Mouse Monoclonal Antibody (122.2). Confirmation of Integrity and Purity of Antibody

Flow Cytometry

Image 2. FCM staining of human PBMCs using CD46 Mouse Monoclonal Antibody (122.2).