ARG44158
anti-IGSF8 / CD316 antibody [8A12] (PE)

Package: 100 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal [8A12] antibody recognize IGSF8 / CD316.
Tested Reactivity	Hu
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	8A12
Isotype	IgG2a
Target Name	IGSF8 / CD316
Species	Human
Immunogen	Human IGSF8 / CD316 protein.
Conjugation	PE
Alternate Names	IGSF8; Immunoglobulin Superfamily Member 8; CD81P3; EWI2; PGRL; CD316; Keratinocytes-Associated Transmembrane Protein 4; Glu-Trp-Ile EWI Motif-Containing Protein 2; Prostaglandin Regulatory-Like Protein; CD81 Partner 3; LIR-D1; EWI-2; KCT-4; Immunoglobulin Superfamily, Member 8; CD316 Antigen; IgSF8; KCT4

Application Instructions

Application table

Application	Dilution
FACS	10 µl / 100 µl of whole blood or 10^6 cells

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

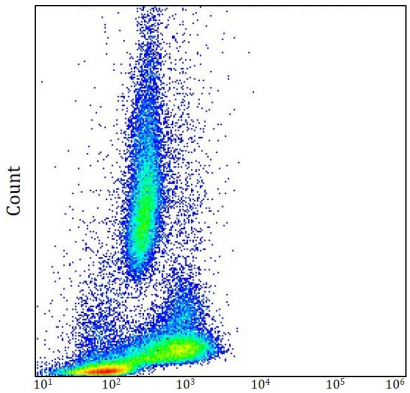
Properties

Form	Liquid
Purification	Purified
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IGSF8
Gene Full Name	Immunoglobulin Superfamily Member 8
Background	This gene encodes a member the EWI subfamily of the immunoglobulin protein superfamily. Members of this family contain a single transmembrane domain, an EWI (Glu-Trp-Ile)-motif and a variable number of immunoglobulin domains. This protein interacts with the tetraspanins CD81 and CD9 and may regulate their role in certain cellular functions including cell migration and viral infection. The encoded protein may also function as a tumor suppressor by inhibiting the proliferation of certain cancers. Alternate splicing results in multiple transcript variants that encode the same protein.
Function	May play a key role in diverse functions ascribed to CD81 and CD9 such as oocytes fertilization or hepatitis C virus function. May regulate proliferation and differentiation of keratinocytes. May be a negative regulator of cell motility: suppresses T-cell mobility coordinately with CD81, associates with CD82 to suppress prostate cancer cell migration, regulates epidermoid cell reaggregation and motility on laminin-5 with CD9 and CD81 as key linkers. May also play a role on integrin-dependent morphology and motility functions. May participate in the regulation of neurite outgrowth and maintenance of the neural network in the adult brain.
Calculated Mw	65 kDa
PTM	Disulfide bond; Glycoprotein; Lipoprotein; Palmitate; Phosphoprotein
Cellular Localization	Cell membrane; Membrane

Images



ARG44158 anti-IGSF8 / CD316 antibody [8A12] (PE) FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG44158 anti-IGSF8 / CD316 antibody [8A12] (PE) at 10 µl / 100 µl of whole blood dilution.