

ARG65623 anti-CD82 antibody [C33] (low endotoxin)

Package: 100 µg
Store at: -20°C

Summary

Product Description	Low endotoxin Mouse Monoclonal antibody [C33] recognizes CD82 (low endotoxin)
Tested Reactivity	Hu
Tested Application	FACS, FuncSt, ICC/IF, IHC-P, IP, WB
Specificity	This antibody reacts with CD82, a widely expressed cell surface protein of the tetraspanin family. CD82 is also found in endosome/lysosome compartments.
Host	Mouse
Clonality	Monoclonal
Clone	C33
Isotype	IgG2a
Target Name	CD82
Species	Human
Immunogen	C91/PL (human HTLV-1+ T cell line)
Conjugation	Un-conjugated
Alternate Names	Tetraspanin-27; C33 antigen; R2; Tspan-27; TSPAN27; KAI1; CD antigen CD82; CD82 antigen; ST6; 4F9; Suppressor of tumorigenicity 6 protein; SAR2; IA4; Metastasis suppressor Kangai-1; Inducible membrane protein R2; GR15; C33

Application Instructions

Application table	Application	Dilution
	FACS	1 - 4 µg/ml
	FuncSt	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-P	Assay-dependent
	IP	Assay-dependent
	WB	Assay-dependent

Application Note Functional application: In human MOLT-4 T-cell line the antibody C33 inhibits syncytium formation induced by coculture with human T-cell leukemia virus type 1 (HTLV-1)-positive human T-cell lines.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

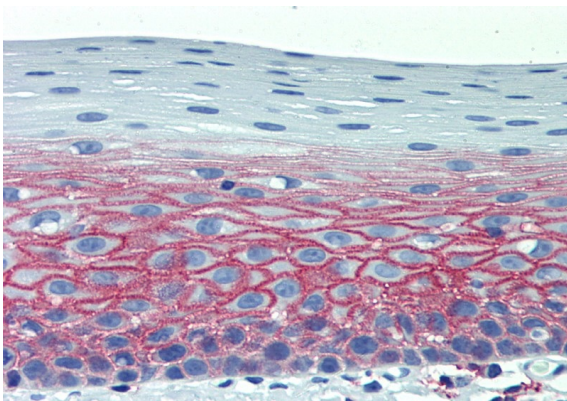
Form	Liquid
Purification	Purification with Protein A.

Purification Note	0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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

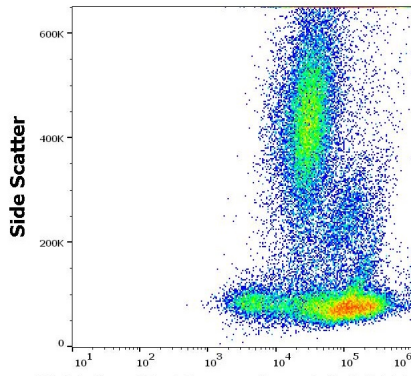
Database links	GeneID: 3732 Human Swiss-port # P27701 Human
Gene Symbol	CD82
Gene Full Name	CD82 molecule
Background	This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of this gene has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter. Its expression and that of p53 are strongly correlated, and the loss of expression of these two proteins is associated with poor survival for prostate cancer patients. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway. [UniProt]
Research Area	Cancer antibody; Gene Regulation antibody; Immune System antibody
Calculated Mw	30 kDa

Images



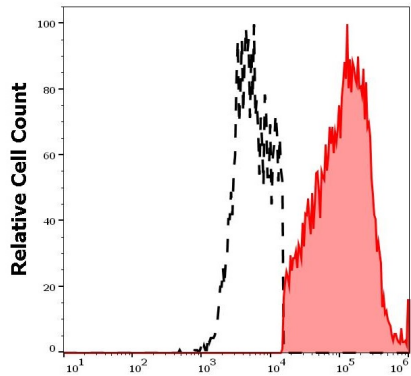
ARG65623 anti-CD82 antibody [C33] (low endotoxin) IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue stained with ARG65623 anti-CD82 antibody [C33] (low endotoxin).



ARG65623 anti-CD82 antibody [C33] (low endotoxin) FACS image

Flow Cytometry: Human peripheral blood stained with ARG65623 anti-CD82 antibody [C33] (low endotoxin) at 1 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.



ARG65623 anti-CD82 antibody [C33] (low endotoxin) FACS image

Flow Cytometry: Separation of human CD82 positive lymphocytes (red-filled) from CD82 negative lymphocytes (black-dashed). Human peripheral whole blood stained with ARG65623 anti-CD82 antibody [C33] (low endotoxin) at 1 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.