

## ARG54184 anti-CD82 antibody [C33]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [C33] recognizes CD82
Tested Reactivity	Hu
Tested Application	FACS, FuncSt, ICC/IF, IHC-P, IP, WB
Specificity	The clone C33 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 studies: 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

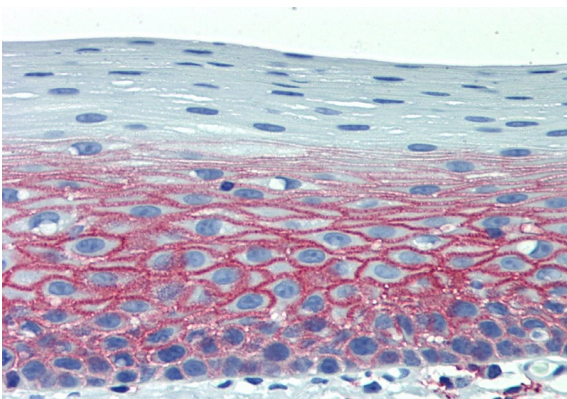
Form	Liquid
Purification	Purified from cell culture supernatant by protein-A affinity chromatography.

Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
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

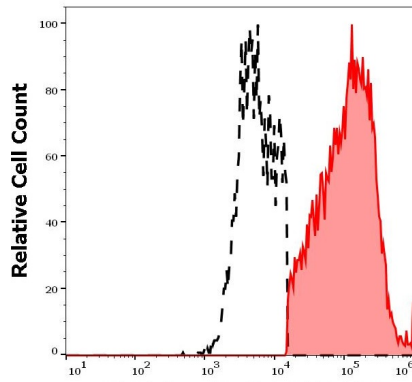
Database links	<a href="#">GeneID: 3732 Human</a> <a href="#">Swiss-port # P27701 Human</a>
Gene Symbol	CD82
Gene Full Name	CD82 molecule
Background	CD82 (KAI1), a member of the tetraspanin family, forms complexes with other tetraspanin proteins, integrins, coreceptors, MHC class I and II molecules. These complexes influence adhesion, morphology, activation, proliferation and differentiation of B, T and other cells. CD82 regulates cytoskeleton rearrangement and may participate in the turnover of the tetraspanin complex members. Besides in the plasma membrane, CD82 is localized also in endosome/lysosome compartments. Tumour-suppressive roles of CD82 have been demonstrated.
Function	Associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway. [UniProt]
Highlight	Related products: <a href="#">CD82 antibodies</a> ; <a href="#">Anti-Mouse IgG secondary antibodies</a> ; Related news: <a href="#">Detecting exosomal PD-L1 secreted by cancer cells</a> <a href="#">New antibodies for exosome isolation</a>
Research Area	Cancer antibody; Gene Regulation antibody; Immune System antibody
Calculated Mw	30 kDa

## Images



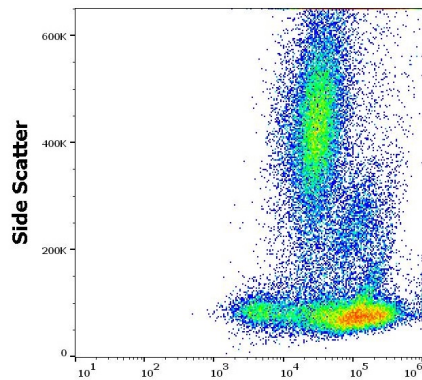
ARG54184 anti-CD82 antibody [C33] IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue stained with ARG54184 anti-CD82 antibody [C33].



ARG54184 anti-CD82 antibody [C33] FACS image

Flow Cytometry: Separation of human CD82 positive lymphocytes (red-filled) from CD82 negative lymphocytes (black-dashed). Human peripheral whole blood stained with ARG54184 anti-CD82 antibody [C33] at 1  $\mu\text{g}/\text{ml}$  dilution, followed by APC-conjugated Goat anti-Mouse antibody.



ARG54184 anti-CD82 antibody [C33] FACS image

Flow Cytometry: Human peripheral blood stained with ARG54184 anti-CD82 antibody [C33] at 1  $\mu\text{g}/\text{ml}$  dilution, followed by APC-conjugated Goat anti-Mouse antibody.