

ARG41553 anti-CD147 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD147
Tested Reactivity	Ms
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD147
Species	Mouse
Immunogen	Recombinant protein of Mouse CD147.
Conjugation	Un-conjugated
Alternate Names	OK; Tumor cell-derived collagenase stimulatory factor; Leukocyte activation antigen M6; TCSF; Extracellular matrix metalloproteinase inducer; OK blood group antigen; CD147; Basigin; M6; EMMPRIN; Collagenase stimulatory factor; CD antigen CD147; 5F7

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50
	IHC-P	1:20 - 1:500
	IP	1:20
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	C2C12	
Observed Size	~ 53 kDa	

Properties

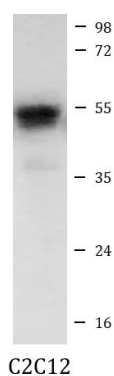
Form	Liquid
Purification	Affinity purified.
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide

Stabilizer	40% Glycerol and 0.05% BSA
Concentration	Batch dependent
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. 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

Gene Symbol	BSG
Gene Full Name	basigin (Ok blood group)
Background	The protein encoded by this gene is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. The encoded protein is also a member of the immunoglobulin superfamily. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Plays an important role in targeting the monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to the plasma membrane. Plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. Stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPs). Seems to be a receptor for oligomannosidic glycans. In vitro, promotes outgrowth of astrocytic processes. [UniProt]
Calculated Mw	42 kDa
PTM	N-glycosylated. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV. In spermatozoa, localized on the principal piece of caput and in the middle piece during transit in the corpus and cauda epididymides (By similarity). [UniProt]

Images



ARG41553 anti-CD147 antibody WB image

Western blot: C2C12 cell lysate stained with ARG41553 anti-CD147 antibody at 1:1000 dilution.