

ARG55936
anti-CD147 antibody [8D6]Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [8D6] recognizes CD147
Tested Reactivity	Hu
Tested Application	FACS, FuncSt, ICC/IF, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	8D6
Isotype	IgG1
Target Name	CD147
Species	Human
Immunogen	Human T cell line Molt-13.
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	0.5 - 1 µg/10 ⁶ cells
	FuncSt	Assay-dependent
	ICC/IF	1:100 - 1:200
	IHC-P	1 - 2 µg/ml
Application Note	Antigen retrieval for IHC-P: Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

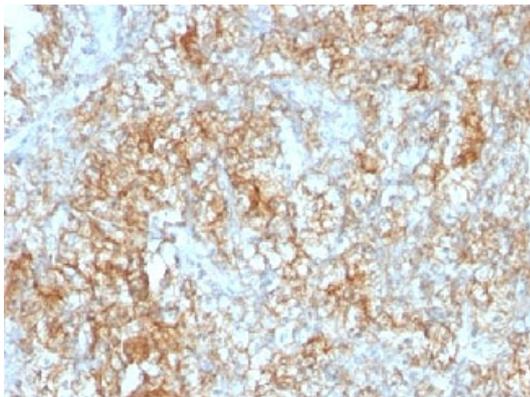
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA

Concentration	0.2 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: 682 Human Swiss-port # P35613 Human
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.
Cellular Localization	Cell surface, cytoplasmic

Images



ARG55936 anti-CD147 antibody [8D6] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human renal cell carcinoma stained with ARG55936 anti-CD147 antibody [8D6].