

AibGenesis™ ViroAb™ Mouse Anti-Human CD147 Monoclonal Antibody (XS-0223)

Cat. No.: VRS-0224-YT773

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Overview

Target	CD147
Specificity	The antibody binds to basigin with an affinity (Kd) of 4 nM reported for the original antibody.
Clone	XS-0223
Host Species	Mouse
Antibody Isotype	IgG1, Kappa
Species Reactivity	Human

Product Properties

Immunogen	Recombinant ectodomains of human basigin.
Affinity	4 nM
Purity	>95% as determined by SDS-PAGE
Purification	Protein A affinity chromatography
Concentration	1.0 mg/mL (lot specific)

Packaging, Storage & Formulations

Form	Liquid
Formulation	PBS, 0.02% Proclin 300
Preservative	0.02% Proclin 300
Storage	Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

Applications

Application	Neut; ELISA
Application Notes	The optimal working dilutions should be determined by the end user.

Other Product Details

Clonality	Monoclonal
Related Disease	Malignant Tumors, Infectious Diseases, Rheumatoid Arthritis, Myocardial Infarction, Multiple Sclerosis, Renal Fibrosis
Disease Classification	Immune System Diseases

Virus Details

Virus Classification	Positive-sense single-stranded RNA Virus
Virus Family	<i>Coronaviridae</i>
Virus Subfamily	<i>Orthocoronavirinae</i>
Virus Genus	<i>Betacoronavirus</i>
Species	<i>Severe acute respiratory syndrome-related coronavirus</i>
Accession number	AY 274119
RefSeq number	NC 4718
Virus Abbrev	SARS-CoV
Virus Name	Severe acute respiratory syndrome coronavirus
Virus Alternatives Names	Severe acute respiratory syndrome-related coronavirus; SARS-CoV; SARS coronavirus; Severe acute respiratory syndrome-related coronavirus 2; SARS-CoV-2
Genome Composition	ssRNA(+)

Target

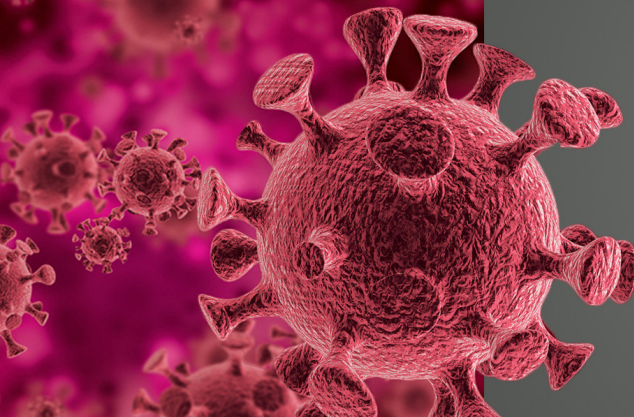
Introduction CD147, also known as neurothelin or basigin, is a member of the Ig superfamily. It is a 55-65 kD type I transmembrane glycoprotein which is primarily expressed on leukocytes, erythrocytes, platelets, and endothelial cells. CD147 is reported to have a function during embryonal brain development and/or play a role in integrin-mediated adhesion in brain endothelia.

Target Alternative Names Basigin, BSG, SLC7A11, 5F7, OK blood group antigen, OK, Collagenase stimulatory factor, Extracellular matrix metalloproteinase inducer, EMMPRIN, Leukocyte activati

on antigen M6, M6, Tumor cell-derived collagenase stimulatory factor, TCSF, CD147 antigen, CD147

Gene ID [682](#)

UniProt ID [P35613](#)



AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.