

Rev05
Update: Jun,14,2023

DATASHEET

Human TIGIT Antibody (20A9), mAb, Mouse

Cat. No.: A01981

Overview

Specificity	The product is specific for human TIGIT
Host Species	Mouse
Immunogen	Recombinant TIGIT protein
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentration may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

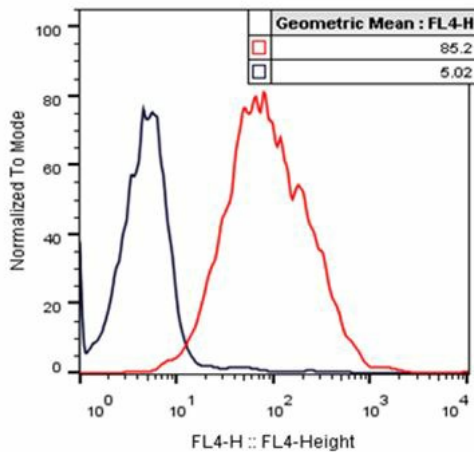
Application	Recommended Usage
ELISA	0.01-0.05 µg/ml
Flow Cytometry	1- 5 µg/ml

Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.
Storage Instructions	The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid freeze/thaw cycles.
Purification	Protein A affinity column
Isotype	Mouse IgG1

Clonality	Monoclonal
Clone ID	20A9
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



Flow cytometric analysis of CHO-K1/TIGIT stable cell line (GenScript, M00542, Red) and CHO negative control cell (Black) binding with Human TIGIT Antibody (20A9), mAb, Mouse (GenScript, A01981-40)
 Antibody working concentration: 5 µg/ml, 2.5x10⁵ cells/reaction
 The signal was developed with iFluor647 conjugated Goat Anti-Mouse IgG

Background

Target Background : T cell immunoreceptor with Ig and ITIM domains (TIGIT), also known as VSTM3, is a type I transmembrane protein, which belongs to the PVR family of immunoglobulin-like domain containing proteins. It is composed of an immunoglobulin variable domain, a transmembrane domain and an immunoreceptor tyrosine-based inhibitory motif (ITIM). TIGIT is expressed on activated T cells, follicular T helper, memory T cells, and regulatory T cells and NK cells. TIGIT binds to CD155 (PVR) with high affinity and it regulates T-cell mediated immunity via the CD226/TIGIT-PVR pathway. TIGIT also serves as a negative regulator of NK and T cell activation. Human TIGIT Antibody (20A9), mAb, Mouse is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with TIGIT.

Synonyms : Mouse monoclonal to Human TIGIT/ VSIG9/ VSTM3/ WUCAM

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China