

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	CD96, Mouse, clone 6A6	Expiry date	-
Catalog number	HM1105-20UG		
Lot number	-	Amount	20 µg
Volume	200 µl	Concentration	100 µg/ml
Formulation	0.2 µm filtered in PBS+0.1%BSA	Conjugate	None
Host Species	Rat IgG2a	Purification	Protein G
Endotoxin	<24 EU/mg		
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes				•	•	•		•
No								
N.D.	•	•	•				•	

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

- FS: For functional studies dilutions have to be made according to the amounts of CD96 to be inactivated.

General Information

Description The monoclonal antibody 6A6 recognizes mouse CD96. CD96 or T cell-Activated Increased Late Expression (TACTILE) is an ~67 kD immunoglobulin-like protein expressed on natural killer (NK) and T cells. CD96 belongs to the Ig-super family, consisting of three Ig-like domains and an extended serine/threonine/praline-rich stalk in the ectodomain. CD96 is upregulated upon T cell activation and is involved in engagement of diseased cells and cell movement towards areas of inflammation. Mouse CD96 binds to CD155 and nectin-1. CD96/CD155-interaction is preserved between man and mouse although both receptors are only moderately conserved in amino acid sequence. The monoclonal antibody 6A6 completely inhibits binding of CD96 to both recombinant mouse CD155 and mouse nectin-1. Also, T cell adhesion to insect cells expressing mCD155 is blocked by this monoclonal antibody, however, depending on the T cell subtype. The monoclonal antibody 6A6 was raised after immunization of rats with purified recombinant mCD96-hlgG1.

Aliases Tactile

- References**
1. Seth, S et al; The murine pan T cell marker CD96 is an adhesion receptor for CD155 and nectin-1. *Biochem Biophys Res Commun* 2007, *364*: 959
 2. Maier, M et al; The adhesion receptor CD155 determines the magnitude of humoral immune responses against orally ingested antigens. *Eur J Immunol* 2007, *37*: 2214

Storage&stability Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

Precautions For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
11/11/2020

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.