Datasheet for ABIN204196

anti-ESAM antibody

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Overview

Quantity:	100 µg
Target:	ESAM
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ESAM antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	NS0-derived rhESAM.
Isotype:	IgG2b
Specificity:	Selected for its ability to detect human ESAM in direct ELISAs and Western Blots. In these applications, this antibody shows no cross-reactivity with rmESAM.
Purification:	Protein G purified

Target Details

Target:	ESAM
Alternative Name:	ESAM (ESAM Products)
Background:	Name/Gene ID: ESAM Synonyms: ESAM, LP4791 protein, W117m

Target Details

Gene ID:	90952
UniProt:	Q96AP7

Application Details

Application Notes:	Approved: ELISA, Flo, ICC, WB Usage: Western Blot: This antibody can be used at 1-2 µg/mL with the appropriate secondary reagents to detect human ESAM. Using a colorimetric detection system, the detection limit for rhESAM is approximately 25 ng/lane under non-reducing and reducing conditions. Chemiluminescent detection will increase sensitivity by 5 to 50 fold. Flow Cytometry: This antibody was validated for flow cytometry using HUVECs. Dilute this antibody to 25 µg/mL and add 10 µL of the diluted solution to 1-2.5 x 10^5 cells in a total reaction volume not exceeding 200 L. The binding of unlabeled monoclonal antibodies may be visualized by adding a secondary developing reagent such as goat anti-mouse IgG conjugated to a fluorochrome. HUVECs were stained with anti-ESAM or isotype control antibody, followed by PE-conjugated anti-mouse antibody. Immunocytochemistry: This antibody was used at a concentration of 10 µg/mL to detect ESAM in HUVECs. Cells were fixed with PBS containing 4 % paraformaldehyde and blocked with PBS containing 10 % normal donkey serum, 0.1 % Triton X-100, and 1 % BSA. After blocking, cells were incubated with diluted primary antibody followed by NL557-coupled anti-mouse IgG in the dark. Between each step, cells were washed with PBS containing BSA. Direct ELISA: This antibody can be used at 0.5-1.0 µg/mL with the appropriate secondary reagents to detect human ESAM. The detection limit for rhESAM is approximately 1 ng/well.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	deionized water
Concentration:	Lot specific
Buffer:	Lyophilized.