

# Product Datasheet

## Integrin beta 6 Antibody (CSbeta6) - Azide and BSA Free NBP2-29800

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-29800**

Integrin beta 6 Antibody (CSbeta6) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CSbeta6
Preservative	No Preservative
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Description	Relevant Entrez Gene Numbers: NM_000888.3
Host	Mouse
Gene ID	3694
Gene Symbol	ITGB6
Species	Human, Rat, Primate, Rabbit
Specificity/Sensitivity	Monoclonal antibody MAB2076Z, raised by immunizing beta6 knockout mice with recombinant secreted human alphavbeta6, is useful for flow cytometry and immunoprecipitation in all species tested, including mouse. It also works well for immunohistochemistry of acetone-fixed tissues in several species, including rat, rabbit, monkey, and human. The antibody does not work well for immunohistochemistry of mouse tissue. This antibody does not recognize the $\alpha V$ subunit and does not react with $\alpha V$ integrins other than alphavbeta6. Because the antibody is not effective in western Blot, it is unknown whether the epitope recognized by the antibody localizes to the alphavbeta6 heterodimer or to the beta6 subunit only.
Immunogen	beta 6 knockout mice have been immunized with recombinant secreted human $\alpha V\beta 6$ .
Notes	Relevant Entrez Gene Numbers: NM_000888.3
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, CyTOF-ready
Application Notes	Immunohistochemistry (acetone fixation): Effective for Rabbit, rat, monkey, and human. Not effective for mouse tissue. Immunocytochemistry/Immunofluorescence : Effective for F6, HT-29, H441 cell lines (others not tested). Flow cytometry: Effective for all species tested, including rabbit, rat, monkey, human, and mouse. Immunoprecipitation



## Publications

Kawamoto E, Nago N, Okamoto T et al. The Lectin-Like Domain of Thrombomodulin Inhibits beta 1 Integrin-Dependent Binding of Human Breast Cancer-Derived Cell Lines to Fibronectin Biomedicines 2021-02-07 [PMID: 33562346] (FLOW, Human)





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### **Products Related to NBP2-29800**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00003694-Q01-10ug	Recombinant Human Integrin beta 6 GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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