

## ARG65383 anti-CD20 antibody [2H7]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [2H7] recognizes CD20
Tested Reactivity	Hu, NHuPrm
Tested Application	CyTOF®-candidate, FACS, IHC-Fr, IP
Specificity	The mouse monoclonal antibody 2H7 recognizes CD20 (B1, Bp35), a 3337 kDa nonglycosylated membrane receptor with four transmembrane domains, expressed on preB lymphocytes, resting and activated B cells (not plasma cells), follicular dendritic cells, and at low levels on peripheral blood T lymphocytes.
Host	Mouse
Clonality	Monoclonal
Clone	2H7
Isotype	IgG2b
Target Name	CD20
Species	Human
Immunogen	Human tonsillar B cells
Conjugation	Un-conjugated
Alternate Names	Bp35; LEU-16; B-lymphocyte surface antigen B1; B-lymphocyte antigen CD20; CD20; S7; CD antigen CD20; Leukocyte surface antigen Leu-16; B1; CVID5; Membrane-spanning 4-domains subfamily A member 1; MS4A2

### Application Instructions

Application table	Application	Dilution
	CyTOF®-candidate	Assay-dependent
	FACS	1 - 4 µg/ml
	IHC-Fr	Assay-dependent
	IP	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from hybridoma culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide

Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 931 Human</a> <a href="#">Swiss-port # P11836 Human</a>
Gene Symbol	MS4A1
Gene Full Name	membrane-spanning 4-domains, subfamily A, member 1
Background	CD20 is a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein. [provided by RefSeq, Jul 2008]
Function	CD20 is a B-lymphocyte-specific membrane protein. It plays a role in the regulation of cellular calcium influx necessary for the development, differentiation, and activation of B-lymphocytes (PubMed:3925015, PubMed:7684739, PubMed:12920111). Functions as a store-operated calcium (SOC) channel component promoting calcium influx after activation by the B-cell receptor/BCR (PubMed:7684739, PubMed:12920111, PubMed:18474602). [UniProt]
Highlight	<p>Related products:</p> <p><a href="#">CD20 antibodies</a>; <a href="#">CD20 ELISA Kits</a>; <a href="#">CD20 Duos / Panels</a>; <a href="#">Anti-Mouse IgG secondary antibodies</a>;</p> <p>Related news:</p> <p><a href="#">CyTOF-candidate Antibodies</a>  <a href="#">New antibody panels and duos for Tumor immune microenvironment</a>  <a href="#">Tumor-Infiltrating Lymphocytes (TILs)</a>  <a href="#">Exploring Antiviral Immune Response</a></p>
Research Area	Cancer antibody; Developmental Biology antibody; Immune System antibody; B cell Marker antibody; Immature B Cell Marker antibody; Inflammatory Cell Marker antibody; Tumor-infiltrating Lymphocyte Study antibody
Calculated Mw	33 kDa
PTM	Phosphorylated. Might be functionally regulated by protein kinase(s).