Datasheet for ABIN6941112

Recombinant anti-CD20 antibody

3 Images

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Overview

Quantity:	100 µg
Target:	CD20 (MS4A1)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD20 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human full-length MS4A1 protein
Clone:	IGEL-1497R
Isotype:	IgG
Specificity:	Recognizes a protein of 30-33 kDa, which is identified as CD20. It is a non-Ig differentiation antigen of B-cells and its expression is restricted to normal and neoplastic B-cells, being absent from all other leukocytes and tissues. CD20 is expressed by pre B-cells and persists during all stages of B-cell maturation but is lost upon terminal differentiation into plasma cells. This MAb can be used for immunophenotyping of leukemia and malignant cells, B lymphocyte detection in peripheral blood and B cell localization in tissues. It reacts with the majority of B-cells present in peripheral blood and lymphoid tissues and their derived lymphomas. In lymphoid tissue, germinal center blasts and B-immunoblasts are particularly reactive. It is a reliable antibody for

Product Details

	ascribing a B-cell phenotype in known lymphoid tissues. Rarely, CD20-positive T-cell lymphomas have been reported. Reactivity has also been noted with Reed-Sternberg cells in cases of Hodgkin's disease, particularly of lymphocyte predominant type.

Target Details

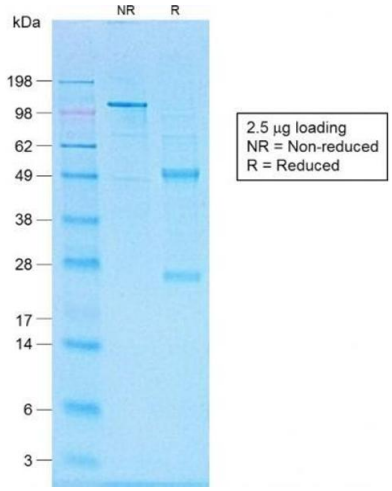
Target:	CD20 (MS4A1)
Alternative Name:	MS4A1 (MS4A1 Products)
Molecular Weight:	33-37kDa
Gene ID:	931
UniProt:	P11836

Application Details

Application Notes:	Positive Control: Daudi, Raji and U266 and human lymphocytes. Lymph nodes and tonsils. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

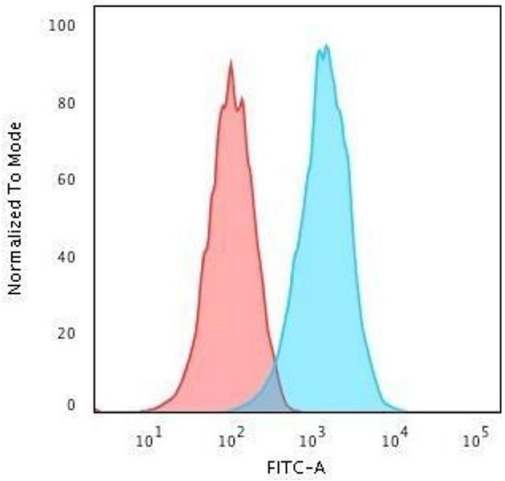
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



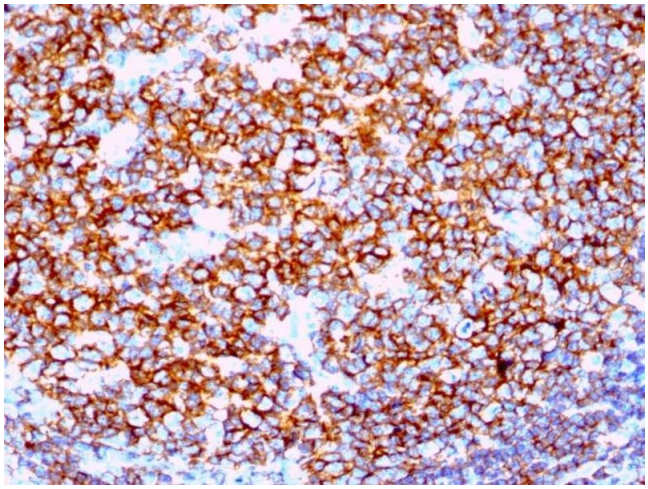
SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified CD20 Rabbit Recombinant Monoclonal Antibody (IGEL/1497R). Confirmation of Purity and Integrity of Antibody.



Flow Cytometry

Image 2. Flow Cytometric Analysis of Raji cells. CD20 Rabbit Recombinant Monoclonal Antibody (IGEL/1497R) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with CD20 Rabbit Recombinant Monoclonal Antibody (IGEL/1497R).