

## Anti-CD20 Polyclonal Antibody 3

## Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 33 kDa. Actual: 45 kDa.
Purification:	Protein A purified

## Applications

Sample:	Lane 1: Human Raji cell lysates Lane 2: Human Ramos cell lysates
Verified Activity:	Primary: Anti-CD20 (TMAB-03906) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 33 kDa Observed band size: 45 kDa
Application:	WB
Recommended	WB: 1:500-2000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CD20
Antigen Species:	Human
Gene ID:	931
Uniprot ID:	P11836

## Research Background

CD20 is a non glycosylated protein with a molecular weight of 35 or 37 kDa depending on the degree of phosphorylation. Although not a member of the tetraspanin superfamily of cell surface receptors, it crosses the cell membrane four times. The CD20 antigen is present on human pre B lymphocytes and on B lymphocytes at all stages of maturation, except on plasma cells. Low level expression of the CD20 antigen has been detected on normal T lymphocytes. The CD20 molecule is involved in regulation of B cell differentiation, presumably via its reported function as a Ca<sup>++</sup> channel subunit.

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