

Rev03
Update: Aug,08,2025

DATASHEET

CD20/MS4A1 [Biotin], His & Avi, Human

Cat. No.: Z04056

Product Introduction

Species	Human
Protein Construction	CD20/MS4A1 [Biotin] (Ile141-Ser188) Accession # P11836-1 His Avi N-termC-term
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	E.coli
Theoretical Molecular Weight	16.8 kDa
Apparent Molecular Weight	The protein has a predicted MW of 16.8 kDa same as Bis-Tris PAGE result.
Formulation	Supplied as 0.22µm filtered solution in 20mM PB, 500mM NaCl, 0.4M Urea, 10% glycerol, 1mM GSH, 0.1mM GSSG (pH 7.0).
Concentration	Verified by one or more methods from A280/Bioactivity/BCA/Bradford.
Storage & Stability	This product remains stable for 6 months at -80°C or below. Avoid repeated freeze-thaw cycles.

Background

Target Background : B-lymphocyte antigen CD20 or CD20 is an activated-glycosylated phosphoprotein expressed on the surface of all B-cells beginning at the pro-B phase (CD45R , CD117) and progressively increasing in concentration until maturity.CD20 is the target of the monoclonal antibodies rituximab, ocrelizumab, obinutuzumab, ofatumumab, ibritumomab tiuxetan, tositumomab, and ublituximab, which are all active agents in the treatment of all B cell lymphomas, leukemias, and B cell-mediated autoimmune diseases.

Synonyms : MS4A1;CD20;MS4A-1;B-lymphocyte surface antigen B1;Bp35;Leukocyte surface antigen Leu-16;Membrane-spanning 4-domains subfamily A member 11

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Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China

