

Active Recombinant Human MS4A1 Protein, Fc-tagged, Alexa Fluor 488 conjugated

Cat. No. MS4A1-17HAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 488 conjugated recombinant human MS4A1 (Ile 141 – Tyr 184) fused with Fc fragment of human IgG1 tag at N-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	Ile141-Tyr184
Form	Lyophilized
Bio-activity	Validated Rituximab binding in the SPR assay (Biacore T100) with the KD of 0.2 μ M.
Molecular Mass	Has a calculated MW of 32.6 kDa. Protein migrates as 42 kDa in reduced SDS-PAGE due to glycosylation.
Endotoxin	< 1.0 EU/ μ g of the rhCD20 by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

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Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4-8 centigrade); After reconstitution under sterile conditions for 1 month (4-8 centigrade) or 3 months (-20 to -70 centigrade).
Storage Buffer	Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Conjugation	Alexa Fluor 488
GENE INFORMATION	
Gene Name	MS4A1 membrane-spanning 4-domains, subfamily A, member 1 [Homo sapiens]
Official Symbol	MS4A1
Synonyms	MS4A1; membrane-spanning 4-domains, subfamily A, member 1; CD20; B-lymphocyte antigen CD20; B1; Bp35; MS4A2; CD20 antigen; CD20 receptor; leukocyte surface antigen Leu-16; B-lymphocyte cell-surface antigen B1; S7; CVID5; LEU-16; MGC3969;
Gene ID	931
mRNA Refseq	NM_021950
Protein Refseq	NP_068769
MIM	112210
UniProt ID	P11836