

# Active Recombinant Human MS4A1 Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** MS4A1-17HAF555    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 555 conjugated recombinant human MS4A1 (Ile 141 – Tyr 184) fused with Fc fragment of human IgG1 tag at N-terminal was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ile141-Tyr184
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Validated Rituximab binding in the SPR assay (Biacore T100) with the KD of 0.2 $\mu$ M.
<b>Molecular Mass</b>	Has a calculated MW of 32.6 kDa. Protein migrates as 42 kDa in reduced SDS-PAGE due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU/ $\mu$ g of the rhCD20 by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard

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TRITC/Cy3 filters.

**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 555

## 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](#)

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