**Product Overview**

This antibody-cytokine fusion protein was achieved by conjugating/fusing the Anti-CD20 IgG to IL2. It was expressed in CHO and purified with affinity chromatography. The immunocytokine retains the ability to bind the CD20 as well as the biological activity of IL2. Antibody-cytokine fusion protein has a number of useful biological properties, including the ability to bind human B-cells; the ability to bind to CD20 antigen; a reduced ability to elicit an immune response in a human patient; and activity against B cell proliferative disorders such as leukemias, lymphomas, rheumatoid arthritis, and other autoimmune diseases. This immunocytokine was designed for treating leukemias, lymphomas, rheumatoid arthritis, and other autoimmune diseases.

**Target**

CD20

**Molecule Class**

L Kappa; IgG1-IL2

**Species Reactivity**

Human

**Host**

Chimeric (Human-Mouse)

**Expression Host**

CHO

**Related Disease**

Leukemias, Lymphomas, Rheumatoid arthritis, and other autoimmune diseases

**Cytokine 1**

IL2

**Cytokine 1 Species**

Human

**Cytokines 1 Description**

Interleukin-2 (IL-2) is an interleukin, a type of cytokine signaling molecule in the immune system. It is a protein that regulates the activities of white blood cells (leukocytes, often lymphocytes) that are responsible for immunity. IL-2 is part of the body's natural response to microbial infection, and in discriminating between foreign ("non-self") and "self". IL-2 mediates its effects by binding to IL-2 receptors, which are expressed by lymphocytes.

**Applications**

This product can be used therapeutically to deliver biologically active ligands to a desired tissue.

**Target Information**

**Alternative Names**

MS4A1; membrane-spanning 4-domains; subfamily A; member 1; B1; S7; Bp35; CD20; CVID5; MS4A2; LEU-16; B-lymphocyte antigen CD20; CD20 antigen; CD20 receptor; leukocyte surface antigen Leu-16; B-lymphocyte cell-surface antigen B1

**Gene ID**

931

**UniProt ID**

A0A024R507

**Related Products**

**Cat #**

TAB-1663CL-S(P)

**Description**

Anti-Human MS4A1 Therapeutic Antibody scFv Fragment (1K1782)
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<th>Code</th>
<th>Description</th>
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<td>Anti-Human MS4A1 Therapeutic Antibody Fab Fragment (1236)</td>
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<td>Anti-Human MS4A1 Therapeutic Antibody scFv Fragment (H8L3)</td>
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<td>TAB-1663CL</td>
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<td>Gly-134LC</td>
<td>Recombinant Anti-Human MS4A1 Antibody (Fc glycosylation/Non fucosylated)</td>
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