

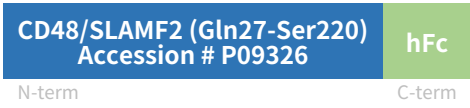
Rev04  
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**DATASHEET**

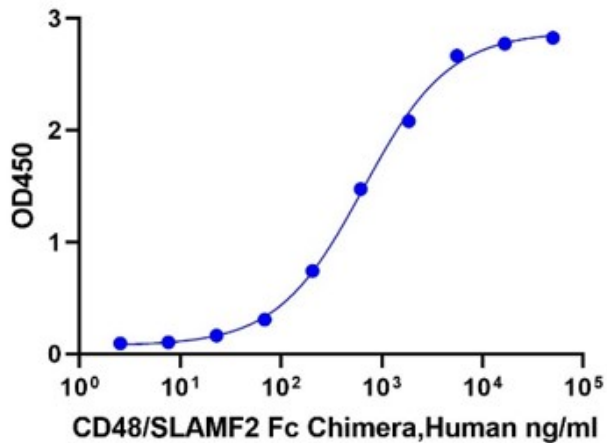
# CD48/SLAMF2 Fc Chimera, Human

Cat. No.: Z03444

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	
<b>Purity</b>	> 95% as analyzed by SDS-PAGE
<b>Endotoxin Level</b>	< 1 EU/μg of protein by gel clotting method
<b>Biological Activity</b>	Immobilized CD244 (Mammalian,C-6His) at 5.0 μg/ml (100 μl/well) can bind CD48/SLAMF2, hFc, Human with EC <sub>50</sub> =0.653 μg/ml when detected by Mouse Anti Human IgG Fc-HRP.
<b>Expression System</b>	HEK 293
<b>Apparent Molecular Weight</b>	~65.4 kDa, on SDS-PAGE under reducing conditions.
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution in PBS.
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O or PBS up to 100 μg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

## Examples



Immobilized CD244 (Mammalian,C-6His) at 5 µg/ml (100 µl/well) can bind CD48/SLAMF2 Fc Chimera, Human with EC50=0.653 µg/ml when detected by Mouse Anti Human IgG Fc-HRP. Background was subtracted from data points before curve fitting.

## Background

**Target Background :** CD48 antigen (Cluster of Differentiation 48) also known as B-lymphocyte activation marker (BLAST-1) or signaling lymphocytic activation molecule 2 (SLAMF2) is a protein that in humans is encoded by the CD48 gene. CD48 is a member of the CD2 subfamily of the immunoglobulin superfamily (IgSF) which includes SLAM (signaling lymphocyte activation molecules) proteins, such as CD84, CD150, CD229 and CD244. CD48 is found on the surface of lymphocytes and other immune cells, dendritic cells and endothelial cells, and participates in activation and differentiation pathways in these cells. CD48 was the first B-cell-specific cellular differentiation antigen identified in transformed B lymphoblasts.

**Synonyms :** BCM1; BLAST; BLAST1; MEM-102; hmCD48 molecule

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**