

# Human CD37 Full Length Protein, His,Flag Tag (Detergent)

Catalog # CD7-H52D3



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## Synonym

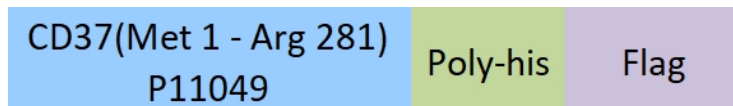
CD37, Tspan-26, TSPAN26

## Source

Human CD37 Full Length Protein, His,Flag Tag(CD7-H52D3) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Arg 281 (Accession # [P11049](#)).

Predicted N-terminus: Met 1

## Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by a Flag tag. The protein has a calculated MW of 50.4 kDa.

## Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

*This product is not suitable for cell based experiments due to cytotoxicity of DDM.*

*DDM and CHS are INDISPENSABLE to keep membrane protein soluble and active, under no circumstance should you remove DDM and CHS.*

*DDM/CHS buffer (DC-11) is sold separately and not included in protein, and please contact us if you need the buffer.*

*If glycerol is not compatible to your application, remove glycerol just before immediate experiment, and NEVER store glycerol-free protein solution.*

Supplied as 0.2 µm filtered solution in 50 mM HEPES, 150 mM NaCl, DDM, CHS, pH7.5 with glycerol as protectant.

Contact us for customized product form or formulation.

## Shipping

*This product is supplied and shipped with dry ice, please inquire the shipping cost.*

## Storage

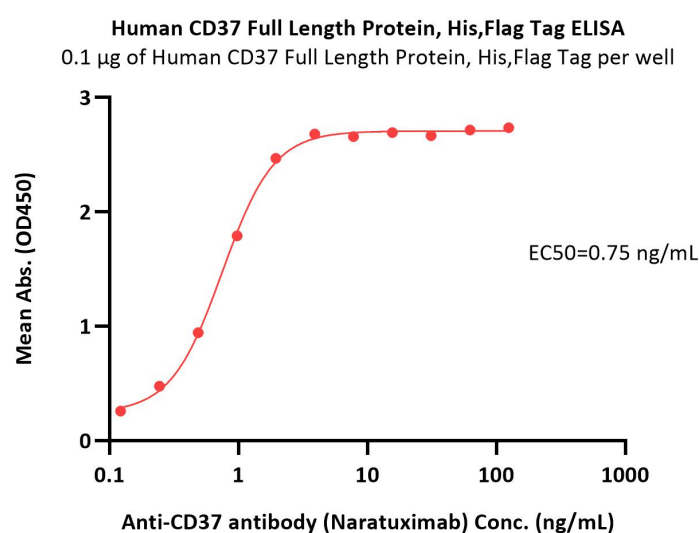
*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

\*The DDM/CHS buffer (Cat. No. [DC-11](#)) is sold separately and not included in protein, you can follow [this link](#) for product information.

## Bioactivity-ELISA



Immobilized Human CD37 Full Length Protein, His,Flag Tag (Cat. No. CD7-H52D3) at 1 µg/mL (100 µL/well) can bind Anti-CD37 antibody (Naratuximab) with a linear range of 0.1-2 ng/mL (QC tested).

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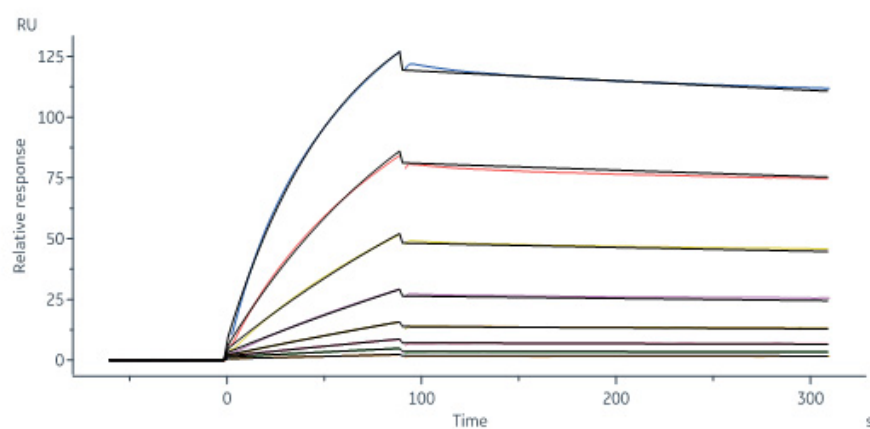
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## Bioactivity-SPR



Anti-CD37 antibody (Naratuximab) captured on Protein A Chip can bind Human CD37 Full Length Protein, His,Flag Tag (Cat. No. CD7-H52D3) with an affinity constant of 20.3 nM as determined in a SPR assay (in presence of DDM and CHS) (Biacore 8K) (Routinely tested).

## Background

Leukocyte antigen CD37 (CD37) is also known as Tetraspanin-26 (Tspan-26) and TSPAN26, which is a member of the transmembrane 4 superfamily or tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins encoded by CD37 gene mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD37 is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. CD37 may play a role in T-cell-B-cell interactions.

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