

## CD38 eFISH Probe

Catalog No	Description
<b>FR025-20</b>	0.22 mL of ready-to-use oligo-conjugated mRNA probe*
<b>CP201-20</b>	0.22 mL of complementary probe conjugated with FAM fluorophore*

\* For 18x18 slides, addition of 10 µL probe is recommended.

### Intended Use

**For Research Use only.** This eFISH mRNA probe is designed for the specific localization of cluster of differentiation 38 (CD38) mRNA in formalin-fixed, paraffin embedded (FFPE) tissue sections. Interpretation of results must be done by experienced personnel.

### Summary and Explanation

CD38 is a non-lineage-restricted type II transmembrane glycoprotein that produces and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, a messenger that mobilizes calcium ions inside of cells. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia.

### Storage and Handling

**Store at -20 °C.** Allow the reagents to reach ambient temperature before use.

### Reagents Provided

One vial of eFISH probe and one vial of corresponding fluorophore-labeled complementary probe.

### Recommended Protocol

#### Manual:

<https://omicsveu.com/wpcontent/uploads/Brochures/914-0083.0.pdf>

#### Automation:






<https://omicsveu.com/wpcontent/uploads/Brochures/914-0082.0.pdf>

#### For more information:

<https://omicsveu.com/wpcontent/uploads/Brochures/914-0084.0.pdf>

### Bibliography

- [10.1007/978-3-642-16712-6\\_518](https://doi.org/10.1007/978-3-642-16712-6_518)
- <https://doi.org/10.3389/fimmu.2019.01187>

	Temperature Limitation	<b>RUO</b>	For Research Use Only
	Use By Date	<b>LOT</b>	Batch Code
	Non-Sterile		Consult Instructions for Use
<b>REF</b>	Catalogue Number		<b>BioGenex</b>

#### Distributed by: omicsveu

Omicsveu is a distributor company offering the true spatial multi-omics platform & reagents.

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Category	eFISH Probes	Revision No.	A
Document No.	932-FR025-20	Release Date	