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ICOS eFISH Probe

Catalog No	Description
FR018-20	0.22 mL of ready-to-use oligo-conjugated mRNA probe*
CP201-20	0.22 mL of complementary probe conjugated with FAM fluorophore*

* For 18×18 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 inducible T cell costimulator (ICOS) mRNA in formalin-fixed, paraffin embedded (FFPE) tissue sections. Interpretation of results must be done by experienced personnel.

Summary and Explanation

ICOS, also known as CD278, is a costimulatory molecule belonging to CD28 family whose expression is induced during the activation of CD4 T cells (T cell receptor crosslinking and/or CD28 costimulation). It exclusively binds to ICOS ligand on antigen presenting cells and plays an important role in cell-cell signaling, immune responses (cytokine release), and regulation of T cell proliferation. Binding of ICOS and its ligand constitute an immune checkpoint as their interaction serves as a secondary signal for T cell activation. Dysregulation of ICOS-mediated stimulation has been implicated in autoimmune disorders and cancer.

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

1. 10.1007/978-3-642-16712-6_518
2. 10.1038/265472a0
3. 10.1158/0008-5472.CAN-19-3265

8°C 2°C	Temperature Limitation	RUO	For Research Use Only
	Use By Date	LOT	Batch Code
NON STERILE	Non-Sterile		Consult Instructions for Use
REF	Catalogue Number		BioGenex

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