

## CD163 eFISH Probe

Catalog No	Description
<b>FR023-20</b>	0.22 mL of ready-to-use oligo-conjugated mRNA probe*
<b>CP203-20</b>	0.22 mL of complementary probe conjugated with HEX 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 163 (CD163) mRNA in formalin-fixed, paraffin embedded (FFPE) tissue sections. Interpretation of results must be done by experienced personnel.

### Summary and Explanation

CD163 is a member of the scavenger receptor family and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. After release, the soluble form (sCD163) may play an anti-inflammatory role, and may be a valuable diagnostic parameter for monitoring macrophage activation in inflammatory conditions.

### 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](https://pubmed.ncbi.nlm.nih.gov/10.1007/978-3-642-16712-6_518/)
2. <https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD163>

	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-FR023-20	Release Date	