RoukenBio

Assess the potential of your candidate immunotherapeutics with our macrophage assays

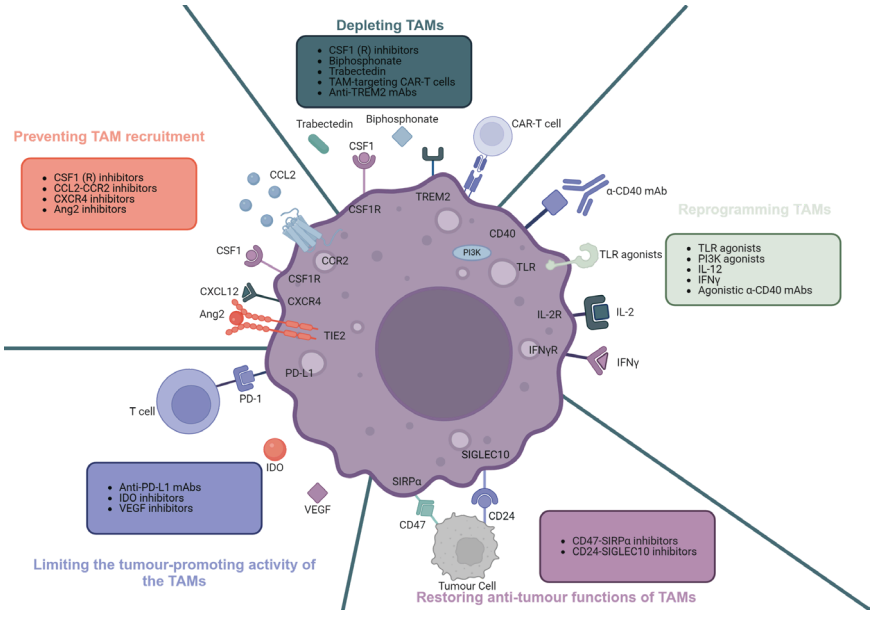
Our ability to polarise monocyte-derived macrophages (MDM) into M1 and M2 phenotypes allows you to evaluate your immunotherapies across a variety of assays, in settings relevant to immuno-oncology, autoimmunity or chronic viral infection.

Whether you would like to test your molecule's ability to modulate MDM phenotypes, or more importantly their functional activity, our macrophage assay formats are adaptable using monocytes isolate from PBMCs and differentiated into MDMs.

Assay set-up

Depending upon the mechanism under investigation, MDMs can be employed to study a variety of functions including:

- Secretion of soluble mediators
- T cell activation
- T cell suppression
- Phagocytosis / ADCP



Therapeutic targeting of macrophages

Why choose RoukenBio's *in vitro* macrophage assays?

MDM generation and polarisation to different subsets

To maximise assay success, we're able to generate and polarise macrophages to different subsets using a variety of methods. Subsets include but are not limited to M0, M1, M2a, M2c and M2d. We can advise on the right subset for your study, or we can accommodate your own preferred methodology.

Customisable assay design

We are able to adapt the protocol to your therapeutic target needs, whether during **differentiation, polarisation**, pre-treatment or within the assay. We can also tailor assay windows to ensure the readout is specific to your target of interest.

High content assay readouts

Our MDM assays are performed on 24- and 96-well plates. In addition to measuring the MDM phenotype, the assay can be coupled with multi-parameter flow cytometry and multiplex cytokine readouts to expand the data from each run.

Find our more about our macrophage capabilities by downloading our technical presentation and access example data:

RoukenBio - The CRO redefined

Backed by our brilliant minds, we have turned the traditional CRO model on its head, by fostering a collaborative and personalised approach. Our mission is simple:

Solve problems. Deliver quality data. Propel your drug discovery breakthroughs.

United by a passion to make sense of complexities and overcome challenges, we apply our specialised knowledge to big-picture thinking. We will explore every option to deliver over and above for your project.

We are thought leaders with a deep understanding of immunology, bioassays, molecular biology and a track record of groundbreaking discoveries and novel cell-based tools.

Contacts www.rouken.bio hello@rouken.bio @RoukenBio