

Senti Biosciences, Inc.
2 Corporate Drive, First Floor
South San Francisco, California 94080

August 4, 2022

VIA EDGAR

Securities and Exchange Commission
Division of Corporation Finance – Office of Life Sciences
100 F Street, N.E.
Washington, D.C. 20549

Re: Senti Biosciences, Inc.
Registration Statement on Form S-1
File No. 333-265873
Request for Acceleration

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Senti Biosciences, Inc. (the “Company”) hereby requests acceleration of the effective date of its Registration Statement on Form S-1 (File No. 333-265873) (the “Registration Statement”), so that it may become effective at 4:00 pm Eastern time on August 8, 2022, or as soon thereafter as practicable.

Very truly yours,

SENTI BIOSCIENCES, INC.

By: /s/ Timothy Lu

Name: Timothy Lu

Title: President & Chief Executive Officer

Cc: Maggie Wong, Goodwin Procter LLP