Better Health, Brighter Future

News Release

Takeda Initiates Development of a Plasma-Derived Therapy for COVID-19

- ***Anti-SARS-CoV-2 polyclonal hyperimmune globulin (H-IG) being developed to treat infected, high-risk individuals with COVID-19***
- ***Exploring the potential to repurpose marketed products and molecules to potentially treat COVID-19***

Cambridge, Mass. and Osaka, Japan, March 4, 2020 – Takeda Pharmaceutical Company Limited (TSE:4502/NYSE:TAK) ("Takeda") today will share with members of the United States Congress that it is initiating the development of an anti-SARS-CoV-2 polyclonal hyperimmune globulin (H-IG) to treat high-risk individuals with COVID-19, while also studying whether Takeda's currently marketed and pipeline products may be effective treatments for infected patients. SARS-CoV-2 is the virus that causes COVID-19.

Hyperimmune globulins are plasma derived-therapies that have previously been shown to be effective in the treatment of severe acute viral respiratory infections and may be a treatment option for COVID-19. As a leader in plasma-derived therapies with more than 75 years of experience in the development of plasma-derived products, Takeda has the expertise to research, develop, and manufacture a potential anti-SARS-CoV-2 polyclonal H-IG, which Takeda is referring to as TAK-888.

"As a company dedicated to the health and well-being of people around the world, we will do all that we can to address the novel coronavirus threat," said Dr. Rajeev Venkayya, President of Takeda's Vaccine Business Unit and co-lead of the company's COVID-19 response team. "We have identified relevant assets and capabilities across the company and are hopeful that we can expand the treatment options for patients with COVID-19 and the providers caring for them."

Takeda is currently in discussions with multiple national health and regulatory agencies and health care partners in the US, Asia, and Europe to expeditiously move the research into TAK-888 forward. This requires access to source plasma from people who have successfully recovered from COVID-19 or who have been vaccinated, once a vaccine is developed. These convalescent donors have developed antibodies to the virus that could potentially mitigate severity of illness in COVID-19 patients and possibly prevent it.

H-IG works by concentrating the pathogen-specific antibodies from plasma collected from recovered patients or vaccinated donors in the future. By transferring the antibodies to a new patient, it may help that person's

immune system respond to the infection and increase their chance of recovery. Because the plasma needed for TAK-888 is unlikely to come from current plasma donors, Takeda will initially produce the therapy in a segregated area within its manufacturing facility in Georgia, and development and production of it should not negatively impact Takeda's ability to produce its other plasma-derived therapies.

"Plasma-derived therapies are critical, life-saving medicines that thousands of people with rare and complex diseases rely on every day around the world," said Dr. Chris Morabito, Takeda's Head of Research and Development, Plasma-Derived Therapies Business Unit. "Our heritage, combined with our scale, expertise and capabilities, uniquely position Takeda to realize the potential of plasma-derived therapies, such as TAK-888."

In addition, Takeda is exploring whether select marketed therapies and molecules in its drug library could be viable candidates for the effective treatment of COVID-19. These efforts are at an early stage but being given a high priority within the company.

An internal working group of in-house experts in public health, vaccines, plasma-derived therapies, and R&D will continue to seek opportunities to leverage our expertise and extensive network of global partners to address COVID-19. COVID-19 is the disease caused by severe acute respiratory syndrome coronavirus (SARS-CoV-2), which can cause pneumonia and has resulted in more than 3,000 deaths globally since its recent discovery. To date, there are no approved vaccines or therapies to prevent or treat COVID-19.

About Takeda Pharmaceutical Company Limited

Takeda Pharmaceutical Company Limited (TSE:4502/NYSE:TAK) is a global, values-based, R&D-driven biopharmaceutical leader headquartered in Japan, committed to bringing Better Health and a Brighter Future to patients by translating science into highly-innovative medicines. Takeda focuses its R&D efforts on four therapeutic areas: Oncology, Rare Diseases, Neuroscience, and Gastroenterology (GI). We also make targeted R&D investments in Plasma-Derived Therapies and Vaccines. We are focusing on developing highly innovative medicines that contribute to making a difference in people's lives by advancing the frontier of new treatment options and leveraging our enhanced collaborative R&D engine and capabilities to create a robust, modality-diverse pipeline. Our employees are committed to improving quality of life for patients and to working with our partners in health care in approximately 80 countries.
For more information, visit https://www.takeda.com.

About Plasma-Derived Therapies

Plasma-derived therapies are essential for treating patients with a variety of rare, life-threatening, complex and genetic diseases for which there are few or no other treatment options. Plasma is the clear, straw-colored liquid portion of blood that remains after red blood cells, white blood cells, and platelets are removed. Plasma has

multiple components with different clinical uses. Plasma products have existed for ~ 80 years, and industry-wide research is underway to assess the larger potential therapeutic value of plasma in new diseases.

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