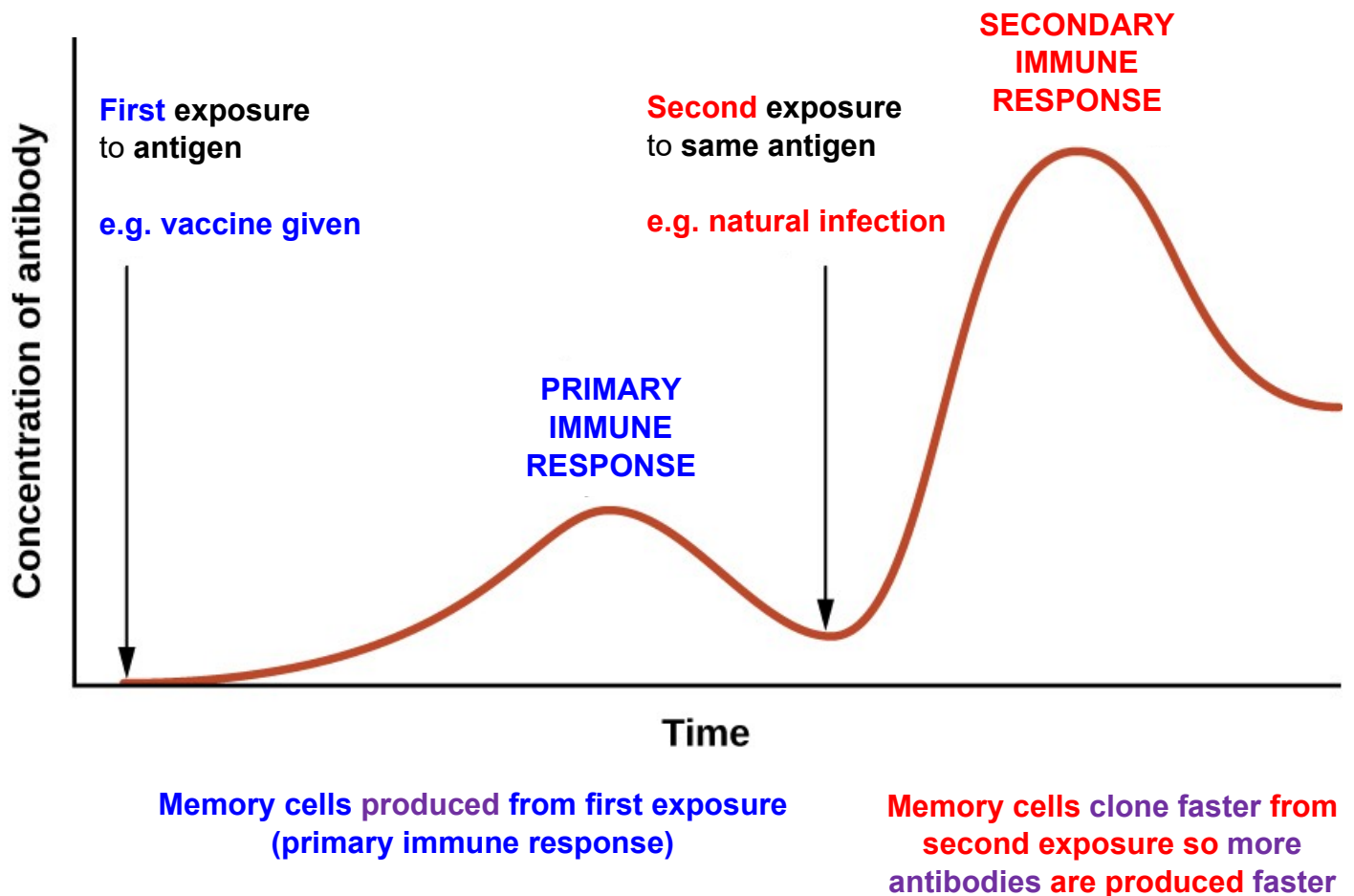


A. VACCINES

- Contain **antigens** from **dead** or **weakened pathogens** that **stimulate** the production of **memory cells**.
- If **re-infected** by the **same pathogen** in the **future**, **memory cells clone faster** to produce **antibodies faster** and in a **greater amount**.



B. MONOCLONAL ANTIBODIES

They are

- produced from the **same clone/type** of **B cell**.
- **identical** in **shape**.
- used in **cancer treatment**, **diagnosing diseases** (e.g. HIV), **home pregnancy tests** and **drug screening**.

How they are produced

