How are cell products categorized?

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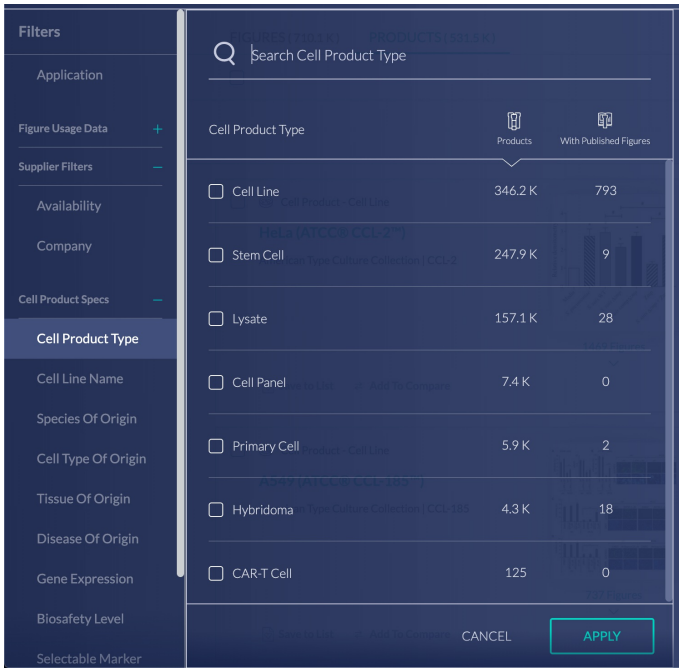
Cell products encompass a breadth of materials and research applications, and we reflect that variety in our application

After selecting *Cell Products* as the **Product Type**, you have the option to further refine your search by selecting the most relevant subcategory for your needs.



Cell Line – An immortalized line of cells that do not have the same lifespan limitation as primary cells. They can be useful when studying biological processes in the lab setting as they offer an unlimited supply of homogenous and identical material to work with.

Stem Cell – Stem cells can be considered a subset of primary cells. They have the capacity to differentiate into a variety of cells and are a valuable research tool for investigating things like tissue/organ replacement or stem cell therapy (e.g. mesenchymal stem cells).

Lysate – A cell product consisting of lysed cells from a given species (e.g. human, mouse, insects, etc), cell type (e.g. fibroblasts), or tissue.

Cell Panel – These are sets/collections of cells from different populations, cell types, or diseases suitable for simultaneous testing to understand genetic alterations across disease types, drug development, or cancer cell profiling.

Primary Cell – The cells are taken directly from living tissue. They best represent cells as they exist in the body in terms of expression, morphology, and metabolism and are well-suited to drug development or experiments that interrogate *in vivo* processes.

Hybridoma – These are immortalized cells comprising a B lymphoblast and myeloma fusion that produces

monoclonal antibodies against a selection of antigens.

CAR-T Cell – **C**himeric **A**ntigen **R**eceptor-**T** cells are genetically engineered T-cells from a single (or group of) donors that were transduced with CAR and may target a host of tumour-specific antigens.

Membrane Preparations: Cell membranes prepared from cell lines/primary cells are generally used for the study of membrane proteins in binding and functional analyses.

If there are additional product types that you would like to see, please let us know. We'd love to chat.

Please check out our **Guide to Filters for Cell Products** to learn more about our filters!