



## Bioassay Service



- Determine the bioactivity of your protein
- Great variety of assays available
- From basic check to fully validated assay

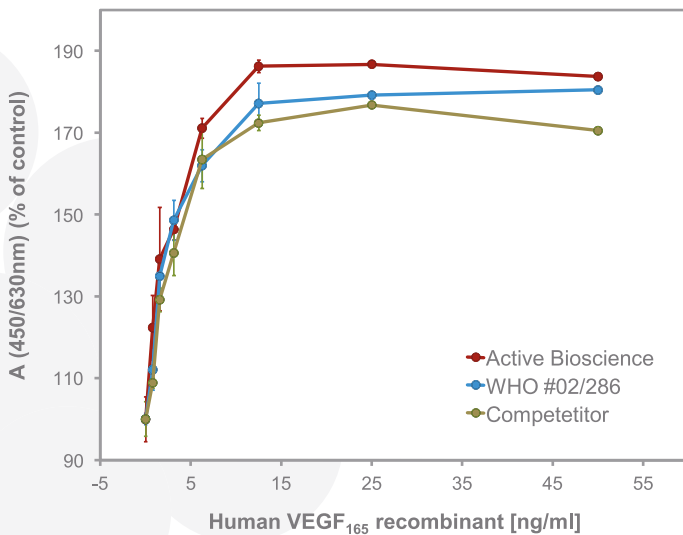


## Bioassay Service

To ensure the quality of our products we check the bioactivity of each production run of nearly every product in a suitable Bioassay. There are only a few products in our range where no suitable Bioassay is available. For our Cell Culture Tested Premium Products (cct-premium) we determine the activity in direct comparison with the WHO-Standard. Reading is by direct cell counting or measurement of an enzymatic activity.

Our Bioassays are also available as a service to our customers, who either have produced their own Protein or just wish to check a product from various sources. This service can start with an initial "low level low cost" approach, basically just to check if there is any activity at all, up to a fully validated assay and comparison with international standards.

Selection of possible bioassays
4MBR-5
A375
B9
D10.G4.1
HDLEC
HDMEC
HT-2 A5E
HUVEC
MDCK
NHDF
TF-1



**Figure 1:** Measurement of human VEGF<sub>165</sub> induced proliferation of HUVE cells. HUVECs were stimulated with increasing amounts of human VEGF<sub>165</sub>.

**Figure 2:** Inhibition of mouse IL-4-induced proliferation in HT-2 cells by human TGF-beta 3 (hTGF-b3) from Active Bioscience in comparison with control and a competitor. HT-2 cells were stimulated with 40ng/ml mouse IL-4 and 100X TGF-b3 was added. Values are the means ( $\pm$ SD) of triplicate determinations and expressed as percentage of controls.

