

Human Granzyme B ELISPOT Kit

Catalog No. CKH007A

Quantity: 2 x 96 tests

Description Cells are incubated in the wells of the ELISPOT plate precoated with a high-affinity monoclonal antibody to which the effector molecule, produced during incubation, will bind. Subsequently, cells are washed away. Areas in which the molecule has been trapped are detected with a combination of biotinylated detection antibodies and Streptavidin-horseradish peroxidase (Streptavidin-HRP). The last step in the assay is the addition of AEC (3-amino-9-ethylcarbazole) yielding a colored zone ('spot'). This zone reveals the site of effector molecule secretion.

Application The ELISPOT (Enzyme-linked Immunospot) assay has been designed to identify and enumerate individual cells releasing specific proteins in single cell suspensions of lymphoid tissue, CNS tissue, bone marrow or preparations of peripheral blood mononuclear cells (PBMC).

Kit Content

- Coating antibodies and Biotinylated detection antibodies
- Streptavidin-HRP
- AEC coloring system
- Blocking stock solution R
- Dilution buffer R
- Tween-20
- 96-well ELISPOT plates (PVDF membrane-bottomed Millipore plates) with lids and cover slips

Storage and Stability

- Lyophilized coating antibodies and biotinylated detection antibodies are stable at 2-4°C until expiration date indicated on vials. After reconstitution, they are stable for 6 months at 2-4°C when kept sterile or for 1 year in working aliquots at -20°C to -80°C.
- Lyophilized Streptavidin-HRP is stable at -20°C to -80°C until expiration date indicated on vial. After reconstitution, Streptavidin-HRP is stable for 2 months at 2-4°C when kept sterile or for 1 year in working aliquots at -20°C to -80°C.
- AEC stock solution is stable for 1 year in working aliquots at -20°C to -80°C protected from light.
- Coating buffer, Blocking stock solution R, and Dilution buffer R are stable at 2-4°C until expiration date indicated on vials. Stable for 6 months after opening when kept sterile.

Granzyme B specific spots produced by 2×10^5 human PBMC. Stimulation: viral peptide pool.



NOT FOR HUMAN USE. FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
Neponset Valley Tech Park
480 Neponset St., Bldg. 12A
Canton, MA 02021

Toll Free: 888 769-1246
Phone: 781 828-0610
Fax: 781 828-0542

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com