

# IMMUNO REAGENTS

## 10-0027/10-0028 Protein L Ligand Leakage ELISA/XL



### Benefits

- Complete ready to use kit
- Detection and quantification of Protein L in Immunoglobulin (Ig) or Ig-fragment containing solutions
- Includes 12 strips (96 wells), sufficient for 48 test

### Product description

This ELISA-kit has been designed to detect and quantify Protein L in Immunoglobulin (Ig) or Ig-fragment containing solutions. It is a sandwich ELISA with microtiter strips coated with an affinity purified anti-Protein L IgY-antibody.

In this assay, the samples are boiled to separate the Ig/Ig-fragments from the Protein L in the solution, centrifuged, and incubated in the strip wells.

The bound Protein L is then detected by adding a horseradish peroxidase (HRP)-conjugated anti-Protein L IgY antibody.

Substrate is added to induce a colour change which is proportional to the amount of bound Protein L from the sample. The colour change is quantified spectrophotometrically at 450 nm by using a plate reader.

The amount of protein L in the sample is determined by using a standard curve prepared in a reference sample. The reference sample should have the same concentration of Ig or Ig-fragments and preferably the same buffer composition as the elution samples from the Protein L affinity chromatography medium. However, it should be prepared using another purification strategy, e.g. ion exchange chromatography. Once a reference sample is created it can be aliquoted and used for several different protein L ELISA assays.

The Protein L Ligand Leakage ELISA kit comes in two versions – the standard kit (10-0027) and the XL kit (10-0028). The XL kit contains five vials of Protein L reference instead of one, and may be used for process adaptation purposes.

### Specifications

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#### Components

12 strips (96 wells) Anti Protein L coated  
100x solution HRP-conjugated anti Protein L pAb  
Protein L reference  
EC-Blue Enhanced TMB-substrate  
Stop Solution  
PBS-Tween tablets

#### Storage

Components +4°C / Protein L reference -20 / -80°C

#### Shelf life

12 months after production date

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### Applications

Determination of leakage levels of protein L in protein L-medium purification of intact immunoglobulin or immunoglobulin fragments (Ig or Ig fragments). Some fab samples may require optimization. Currently there is no protocol available for sdab molecules.

### Directions for use

The product is a ready to use kit, instructions for use is provided. Safety precautions like lab coat, gloves and goggles should be used.

### Shipping and storage

The product is shipped cooled (+4°C) except the protein L reference which is shipped frozen (-20°C). On arrival store components cooled (+4°C) except the protein L reference which should be stored at -20/-80°C:

- Strips (96 wells), store unused strips in sealed bag at +4°C.

- HRP-conjugated anti Protein L pAb and EC-Blue Enhanced TMB-substrate, store protected from light.
- Protein L reference, store in working aliquots to avoid repeated freezing/thawing.

### Certifications

Medicago's laboratories and manufacturing site in Uppsala are ISO 9001:2015 and ISO 13485:2016 certified. Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.



### Ordering information

| Article no. | Product name                          | Pack size                     |
|-------------|---------------------------------------|-------------------------------|
| 10-0027-1   | Protein L Ligand Leakage ELISA kit    | 1 kit (1 Protein L reference) |
| 10-0028-1   | Protein L Ligand Leakage ELISA XL kit | 1 kit (5 Protein L reference) |