Lung Diseases

**Innate Immunity** • Acute phase proteins • Western blot • **Antimicrobial peptides** • Complement Research • LPS, Microbial toxins • Flow cytometry • Scavenger receptors • TLR • **Assays** • Inflammation • Adhesion molecules • Immunohistochemistry • Coagulation molecules • Cytokines • Chemokines • **Antibodies** • Cell & Tissue damage • Functional studies • Lipid binding proteins • Immunoprecipitation • Oxidative stress • Organ & Tissue related research • **Proteins** • Mouse mAb isotyping kits
Hycult Biotech offers a broad range of ELISA’s, Antibodies and Proteins which are useful in research of Lung diseases.

**LL-37**
- Effects of vitamin D and the antimicrobial peptide in asthma. (Albanna, Egypt J Pediatr Allergy Immunol 2012)
- LL-37 ELISA: suitable for plasma and cell culture medium. Measurable range of 0.14 – 100 ng/ml.

**HNP1-3**
- Immune complexes isolated from patients with pulmonary tuberculosis modulate the activation and function of normal granulocytes. (Senbagavalli, Clin Vaccine Immunol 2012)
- HNP1-3 ELISA: suitable for cell culture medium, plasma and other biological fluids. Measurable range of 156-10,000 pg/ml.

**Elastase**
- Ventilator-associated pneumonia is characterized by excessive release of neutrophil proteases in the lung. (Wilkinson, Chest 2012)
- Elastase ELISA: suitable for plasma and cell culture medium. Measurable range of 0.4-25 ng/ml.

**SLPI**
- SLPI ELISA: suitable for cell culture medium, plasma or serum, sputum, urine and other body fluids. Measurable range of 20-5,000 pg/ml.

**Arginase**
- High serum arginase I levels in asthma: its correlation with high-sensitivity C-reactive protein. (Ogino, J Asthma 2011)
- Arginase ELISA: suitable for serum, plasma and cell culture medium. Measurable range of 0.4 – 100ng/ml.

**BPI**
- The role of bactericidal/permeability-increasing protein in men with chronic obstructive pulmonary disease. (Chen, COPD 2012)
- BPI ELISA: suitable for wound fluid, broncheoalveolar lavage fluid, plasma and cell culture medium. Measurable range of 100-25,000 pg/ml.