

AR05243PU-S**Human Annexin A5 / ANXA5****Alternate names:**

ANX5, Anchorin CII, Annexin V, Annexin-5, CBP-I, Calphobindin I, ENX2, Endonexin II, Lipocortin V, PAP-I, PP4, Placental anticoagulant protein 4, Placental anticoagulant protein I, Thromboplastin inhibitor, VAC-alpha, Vascular anticoagulant-alpha

Quantity:

30 µg

Concentration:

30 µg/ml

Background:

Annexin V is a phospholipid binding protein which binds with high affinity and selectivity to phosphatidylserine (PS), in the presence of calcium. The translocation of PS from the cytosolic leaflet to the outer leaflet of the plasma membrane, due to a loss in plasma membrane asymmetry during apoptosis, acts as an in vivo signal for the removal of the dying cell by phagocytosis. Detection of PS using Annexin V provides a reliable diagnostic tool for the indication of early programmed cell death. Annexin V has also been identified as an inhibitor of prothrombin activation in the blood coagulation cascade, and the presence of antibodies to Annexin V are associated with systemic lupus erythematosus (SLE), recurrent spontaneous abortions and systemic sclerosis (SSc).

Uniprot ID:[P08758](#)**NCBI:**[NP_001145.1](#)**GeneID:**[308](#)**Species:**

Human

Source:

Human

Format:**State:** Lyophilised purified protein**Purity:** >98% by SDS PAGE/HPLC analysis**Buffer System:** 20mM Phosphate buffered saline pH7.0 containing 0.02% Tween80 and 130mM Arginine HCl**Reconstitution:** Reconstitute with 1.0ml distilled water at 30°C for 5 minutes.**Applications:**

In vitro Assay.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description:Recombinant Annexin V expressed in *E.coli*.**Molecular weight:** 35.8kD**Storage:**

Prior to reconstitution store at 2-8°C.

Following reconstitution store the protein (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: 6 month from despatch.