

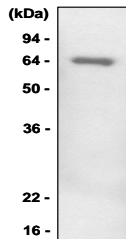
**Product:** Anti-Pigment Epithelium-Derived Factor (PEDF)  
**Catalog #:** 01-2457  
**Amount:** 200 µl

**CATEGORY:** Mouse monoclonal  
**CLONE DETERMINATION:** 1C4  
**IMMUNOGLOBULIN CLASS:** Mouse IgG<sub>1</sub> heavy chain and kappa light chain  
**FORM:** Purified, in PBS, pH 7.4, containing 0.1% sodium azide  
**IMMUNOGEN:** Recombinant human PEDF (19-418 aa) purified from *E. coli*  
**PURIFICATION:** Protein G affinity chromatography, from ascites  
**DESCRIPTION/SPECIFICITY:** Pigment epithelium-derived factor (PEDF) is a 50kDa glycoprotein and member of the serpin superfamily without any activity of serine protease. PEDF is an angiogenesis inhibitor with neurotrophic properties, balances angiogenesis in the eye and blocks tumor progression. That is, in neuronal cell, PEDF is promoting cell survival and differentiation, however, when endothelial cells are exposed to PEDF, their cell migration and proliferation are inhibited, and they undergo apoptosis.

**ANTIGEN RECOGNIZED IN SPECIES** (tested so far):  
**APPLICATION** (tested so far):  
**WORKING DILUTION:**

Human  
ELISA, Immunoblotting (western, ECL)  
Western Blot: 1:100-1:400  
Optimal dilution should be performed by serial dilution  
2-8°C for immediate use; or at -20°C (aliquot)

**STORAGE:**



**Western Blot Analysis:** A549 cell lysate was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PEDF antibody (1:200). Protein was visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system

**REFERENCES:**

Baba H. *et al* (2005) *Arteriosler Thromb Vasc Biol.* **25**: 1938-1944  
Filleur S. *et al* (2005) *Cancer Res.* **65**: 5144-5152  
Hattenbach LO. *et al* (2004) *Ophthalmic Res.* **37**: 341-346

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