



[Go to Product page](#)

Datasheet for ABIN6258621

## anti-CD177 antibody (Internal Region)

### 2 Images

#### Overview

Quantity:	100 µL
Target:	CD177
Binding Specificity:	Internal Region
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD177 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

#### Product Details

Immunogen:	A synthesized peptide derived from human CD177, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	CD177 Antibody detects endogenous levels of total CD177.
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

#### Target Details

Target:	CD177
Alternative Name:	CD177 ( <a href="#">CD177 Products</a> )

## Target Details

---

**Background:** Description: In association with beta-2 integrin heterodimer ITGAM/CD11b and ITGB2/CD18, mediates activation of TNF-alpha primed neutrophils including degranulation and superoxide production (PubMed:21193407). In addition, by preventing beta-2 integrin internalization and attenuating chemokine signaling favors adhesion over migration (PubMed:28807980). Heterophilic interaction with PECAM1 on endothelial cells plays a role in neutrophil transendothelial migration in vitro (PubMed:17580308). However, appears to be dispensable for neutrophil recruitment caused by bacterial infection in vivo (PubMed:23461681). Acts as a receptor for the mature form of protease PRTN3 allowing its display at the cell surface of neutrophils (PubMed:17244676, PubMed:18462208). By displaying PRTN3 at the neutrophil cell surface, may play a role in enhancing endothelial cell junctional integrity and thus vascular integrity during neutrophil diapedesis (PubMed:23202369).

Gene: CD177

---

**Molecular Weight:** 746 kDa

---

**Gene ID:** 57126

---

**UniProt:** [Q8N6Q3](#)

## Application Details

---

**Application Notes:** WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000

---

**Restrictions:** For Research Use only

## Handling

---

**Format:** Liquid

---

**Concentration:** 1 mg/mL

---

**Buffer:** Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

---

**Preservative:** Sodium azide

---

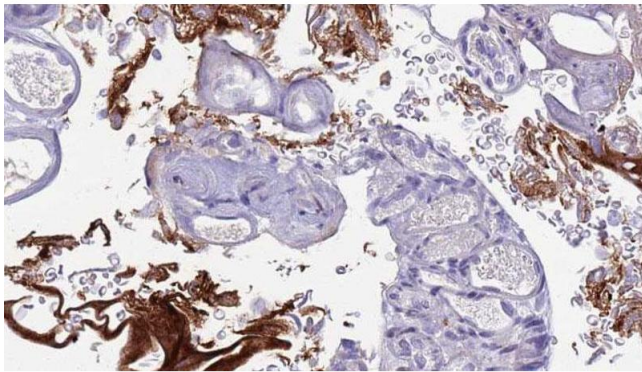
**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

---

**Storage:** -20 °C

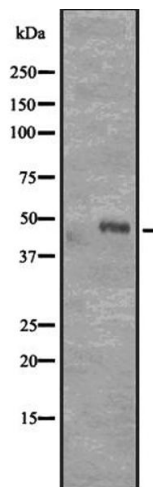
---

**Expiry Date:** 12 months



### Immunohistochemistry

**Image 1.** ABIN6273442 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



### Western Blotting

**Image 2.** Western blot analysis of CD177 expression in Transfected 293T cell lysate, The lane on the left is treated with the antigen-specific peptide.