

## Anti-HGF [1A3] Standard Size Ab04358-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** 1A3

**Alternative Name(s) of Target:** SF; Hepatocyte growth factor; Hepatopoietin-A; Scatter factor

**UniProt Accession Number of Target Protein:** P14210

**Published Application(s):** in vivo, SPR, WB, ELISA

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing Balb/c mice with recombinant human HGF.

**Specificity:** The antibody is specific for human HGF.

**Application Notes:** The specificity of the original format of the antibody was confirmed by ELISA analysis (IC50 = 5.65 nM). The binding affinity of the original format of the antibody to human HGF was measured by surface plasmon resonance (Kd= 30.1 pM). The antibody could bind to non-reduced and reduced rhHGF by western blot analysis. The antibody could efficiently neutralize HGF binding to c-Met. The antibody inhibited HGF induced proliferation in 4MBr-5 cells. The ability of the original format of the antibody to inhibit tumor growth was tested in an U87MG xenograft model. The percent of inhibition of the antibody was measured to be 73%. The ability of the original format of the antibody to inhibit tumor growth was tested in an U118 xenograft model. The percent of inhibition of the antibody was measured to be 57% (US7659378B2).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

## Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.