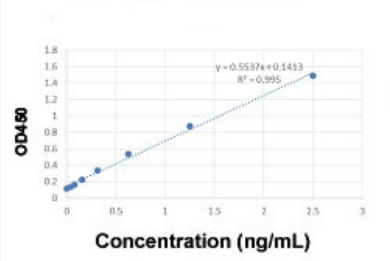
Anti-Cetuximab recombinant monoclonal antibody, clone 20H1

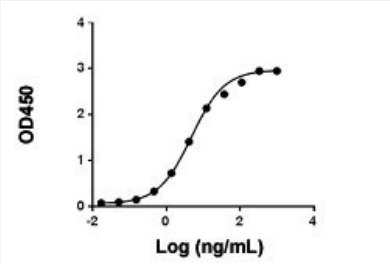
Catalog # RAB09634 Size 40 ug

Applications



Sandwich ELISA

Standard curve of Cetuximab Sandwich ELISA. The Cetuximab Sandwich ELISA assay is developed by using Anti-Cetuximab monoclonal antibody, clone 20H1 (Cat # RAB09634) and Anti-Cetuximab monoclonal antibody, clone 18D5 (Cat # RAB09633) as the capture and detection antibodies, respectively. In this ELISA assay, Anti-Cetuximab monoclonal antibody, clone 18D5 (Cat # RAB09633) was labeled with Biotin. The sensitivity of detecting Cetuximab is 0.039 ng/mL.



Enzyme-linked Immunoabsorbent Assay

Anti-Cetuximab monoclonal antibody, clone 20H1 (Cat # RAB09634) binds with Cetuximab. Coating antigen: Cetuximab, 1 ug/mL. Anti-Cetuximab monoclonal antibody, clone 20H1 (Cat # RAB09634) dilution start from 1000 ng/mL. EC_{50} = 4.803 ng/mL. While the antibody does not recognize the human IgG Fc fragment (data not shown).

Specification

Product Description	Recombinant mouse monoclonal antibody raised against Cetuximab. Target gene is EGFR.
Immunogen	Cetuximab.
Host	Mouse
Specificity	The product is specific for Cetuximab. This antibody can' t block Cetuximab binding with EGFR in EL ISA. The antibody is recommended as a capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody Anti-Cetuximab recombinant monoclonal antibody, clone 18D5 (Cat # RAB0 9633).

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Form	Lyophilized
Purification	Protein A purification
Isotype	IgG2b, kappa
Recommend Usage	ELISA (ELISA detection: 0.005-0.1 ug/mL) (Direct/Indirect ELISA) Sandwich ELISA The optimal working dilution should be determined by the end user.
Inhibitory IC50	Non-inhibitory
Storage Buffer	Lyophilized from PBS, pH 7.4 (0.02% sodium azide).
Storage Instruction	Store at -20°C on dry atmosphere, lyophilized antibodies are stable at 1 years. After reconstitution with deionized water (or equivalent) to a final concentration of 0.5 mg/mL, it can b e stored for 2-3 weeks at 2-8°C or for up to 12 months at -20°C or below. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Sandwich ELISA

  Standard curve of Cetuximab Sandwich ELISA. The Cetuximab Sandwich ELISA assay is developed by using Anti-Cetuximab monoclonal antibody, clone 20H1 (Cat # RAB09634) and Anti-Cetuximab monoclonal antibody, clone 18D5 (Cat # RAB09633) as the capture and detection antibodies, respectively. In this ELISA assay, Anti-Cetuximab monoclonal antibody, clone 18D5 (Cat # RAB09633) was labeled with Biotin. The sensitivity of detecting Cetuximab is 0.039 ng/mL.

- Enzyme-linked Immunoabsorbent Assay

  Anti-Cetuximab monoclonal antibody, clone 20H1 (Cat # RAB09634) binds with Cetuximab. Coating antigen: Cetuximab, 1 ug/mL. Anti-Cetuximab monoclonal antibody, clone 20H1 (Cat # RAB09634) dilution start from 1000 ng/mL. EC_{50} = 4.803 ng/mL. While the antibody does not recognize the human IgG Fc fragment (data not shown).

Gene Info — EGFR

Entrez GeneID	1956
Gene Name	EGFR
Gene Alias	ERBB, ERBB1, HER1, PIG61, mENA
Gene Description	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Omim ID	131550 211980
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protei n kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a lig and induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation . Mutations in this gene are associated with lung cancer. [provided by RefSeq
Other Designations	avian erythroblastic leukemia viral (v-erb-b) oncogene homolog|cell growth inhibiting protein 40|ce ll proliferation-inducing protein 61|epidermal growth factor receptor

Pathway

- Adherens junction
- Bladder cancer
- Calcium signaling pathway
- Colorectal cancer
- Cytokine-cytokine receptor interaction
- Dorso-ventral axis formation
- Endocytosis
- Endometrial cancer
- Epithelial cell signaling in Helicobacter pylori infection
- ErbB signaling pathway
- Focal adhesion
- Gap junction
- Glioma
- GnRH signaling pathway
- MAPK signaling pathway
- Melanoma
- Non-small cell lung cancer

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Regulation of actin cytoskeleton

Disease

- Adenocarcinoma
- Anus Neoplasms
- Asthma
- Astrocytoma
- Atherosclerosis
- Barrett Esophagus
- Bile Duct Neoplasms
- Biliary Tract Neoplasms
- Bipolar Disorder
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Cell Transformation
- Central Nervous System Neoplasms
- Cervical Intraepithelial Neoplasia
- Cholangiocarcinoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Chromosome Aberrations
- Chromosome Deletion
- Cleft Lip
- Cleft Palate
- Cocarcinogenesis
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Cystadenocarcinoma
- Diabetes Mellitus
- Diarrhea
- Disease Progression
- Disease Susceptibility
- DNA Damage
- Drug Eruptions
- Drug Toxicity
- Edema
- Endometrial Neoplasms
- Endometriosis
- Esophageal Neoplasms
- Exanthema
- Genetic Diseases
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Head and Neck Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Hepatitis C
- HIV Infections
- Hyperparathyroidism
- Hypersensitivity
- Hypopharyngeal Neoplasms
- Kidney Failure
- Kidney Neoplasms
- Liver Diseases
- Liver Neoplasms
- Lung carcinoma
- Lung Neoplasms
- Lupus Erythematosus
- Lymphatic Metastasis
- Mental Disorders
- Mouth Neoplasms
- Myoma
- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Osteosarcoma
- Otorhinolaryngologic Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Pancreatic Neoplasms
- Papillomavirus Infections
- Polycystic Kidney
- Polycystic kidney disease
- Precancerous Conditions
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Pulmonary Disease
- Ras oncogene
- Rectal Neoplasms
- Recurrence
- Skin Neoplasms
- Small Cell Lung Carcinoma
- Stomach Neoplasms
- Thyroid Neoplasms
- Tongue Neoplasms
- Tonsillar Neoplasms
- Urinary Bladder Neoplasms
- Urinary Calculi
- Uterine Cervical Neoplasms
- Uterine Neoplasms
- Viremia
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.